E15

COMPUTER ENTHUSIAST CATALOG

for Atari ST and IBM® PC Compatibles

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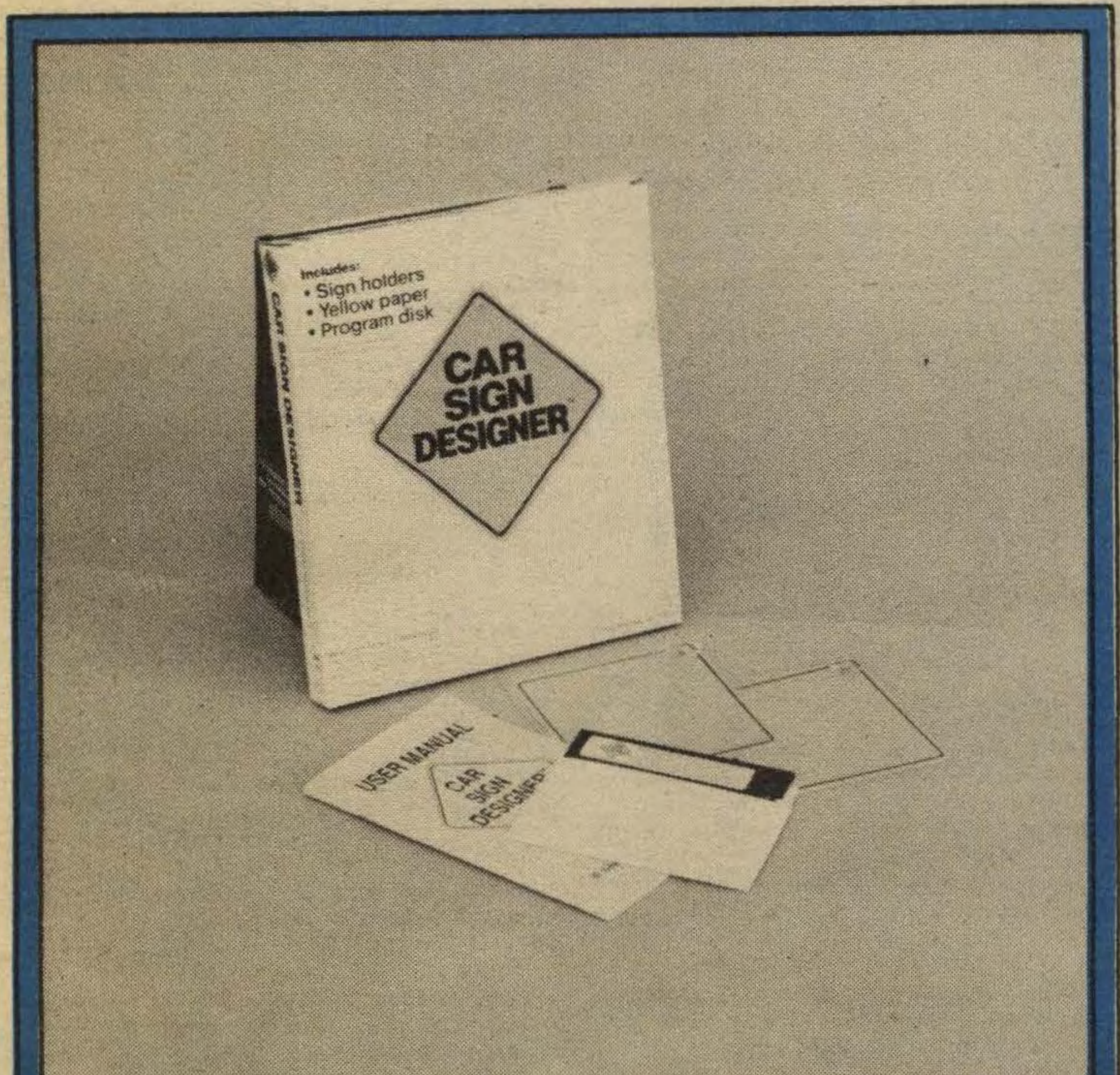
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Emulator, DOS, 5.25" Drives... Page 11

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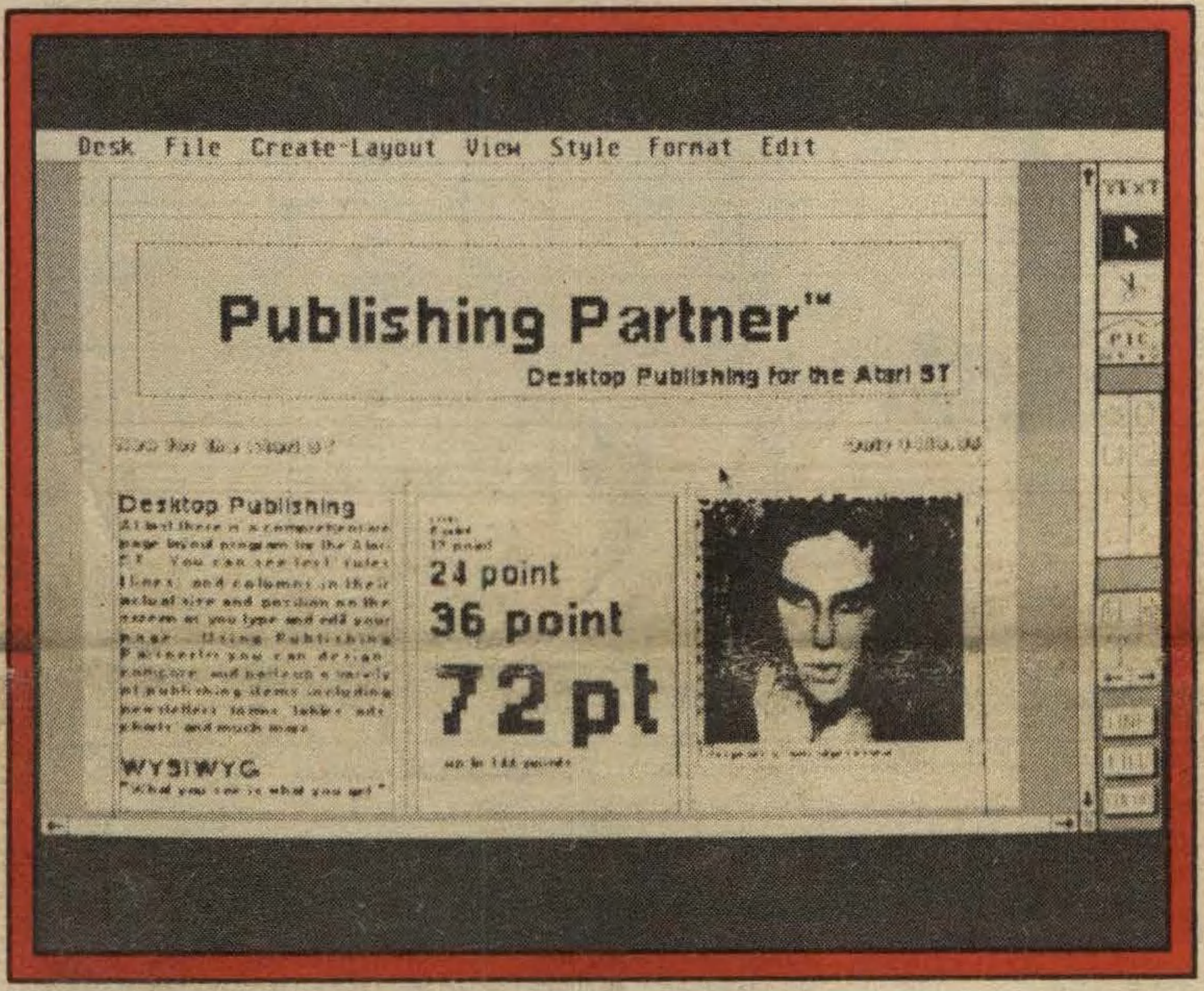
Software, Fonts, Clip Art, Scanner-Pg.14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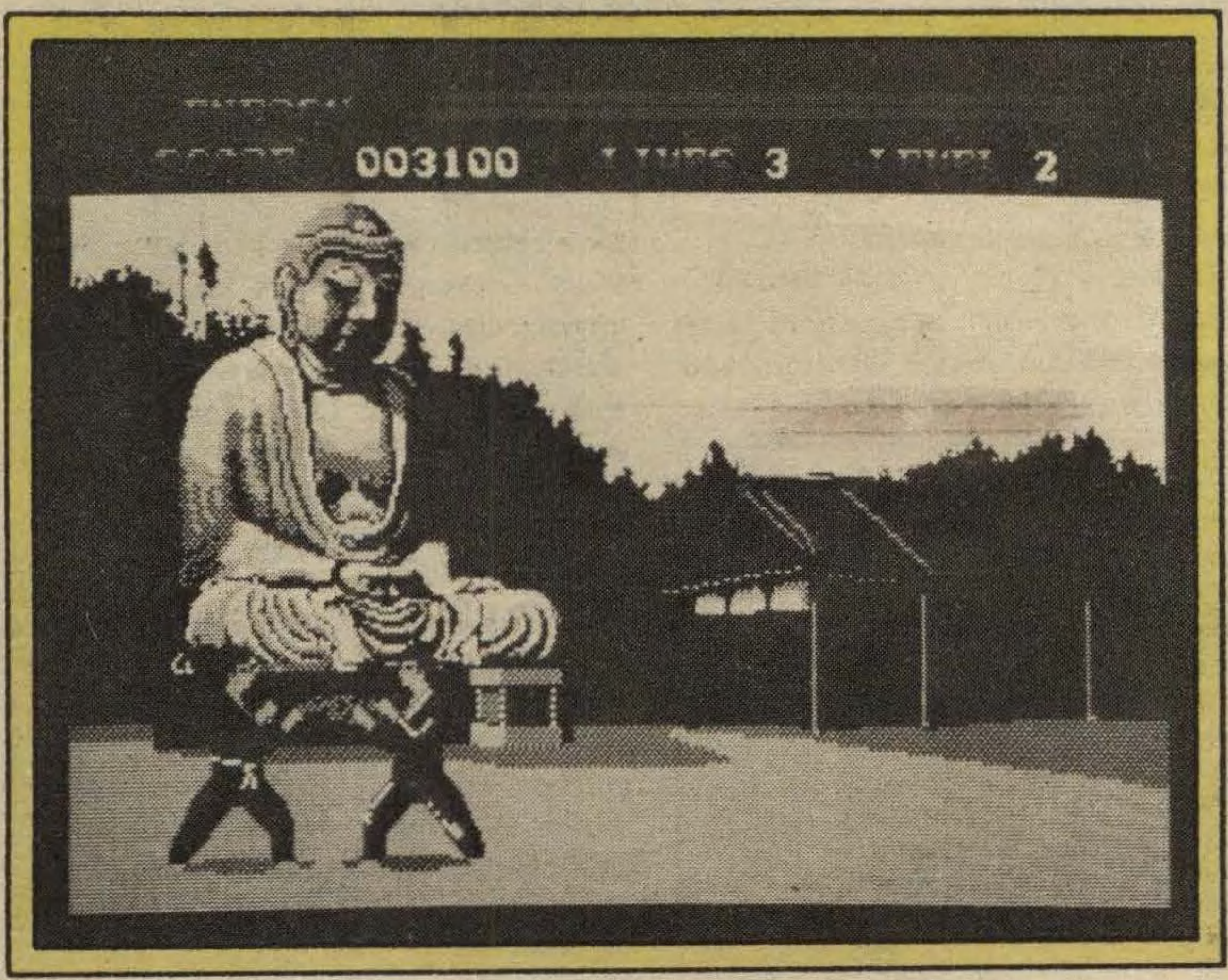
ST Karate Fighting -P.7-



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by Eben Brown

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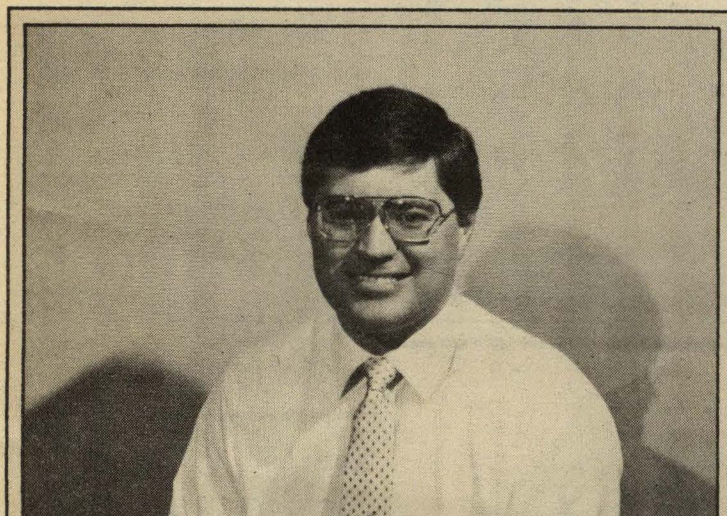

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EAB/jd

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If you have a problem with any of our products, call our customer service department. Most problems are solved over the phone. However, if you find it necessary to return an item, please:

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10 Day Trial Conditions:

We offer a 10 Day Trial period on hardware items only. Try any hardware item in this catalog for 10 days. If it doesn't work or you just don't like it, send it back within 10 days of receiving it. As long is the product is in NEW condition, in it's ORIGINAL CONTAINER, with all INSTRUCTIONS AND DOCUMENTATION INTACT, we'll either exchange it, refund your money, or credit your credit card for the full purchase price less shipping charges. Merchandise that isn't in new condition, or that has modifications such as velcro stickers, rubber feet, tape, etc. will not be accepted.

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All hardware items carry manufacturer's warranties as well as our 10 day, money back, free trial guarantee.

All Software/Book sales are final. We can not issue refunds or exchanges for different titles. We guarantee our programs to load and run. Defective programs will be replaced with working programs of the same title. Books are considered to have been read if they were delivered to the customer.

On do-it-yourself kits, we guarantee only that the kit is in operating order. If your computer should be damaged during installation, we limit our liability to replacement of the kit. We cannot guarantee your ability to install the kit.

Unsolicited Comments From Happy Customers

We'll Do Our Best To Make You Happy Too!

"You provide the extra effort to insure compatibility between products that is so important." -C.S., Colorado

"...many thanks for your time and consideration- it is a pleasure doing business with a firm such as yours." -R.W., Massachusetts

"The service you have given on the orders I have placed has been excellent." -M.H., Wisconsin

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"I am delighted with the fast, friendly and competent service I have been receiving from your company." -D.R., Ontario

"Thank you for your personal attention... it is always a pleasure to deal with a company that cares about his customers." -R.B., Massachusetts

"First off, let me say how satisfied I am with the service from your company..." -W.P., New York

"Thank you... this is the first time I've had so much computing power and you are the ones who made it possible!" -M.H., Iowa

"Your return policy and efficiency is appreciated..." -D.S., Indiana

"I am so glad that I have found a company that carries so many great products at very reasonable prices... not to mention speedy delivery." -J.D., Iowa

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"It is a pleasure to have known you and your fine company." -J.J., Texas

"Thank you for all the time you've spent making my leisure hours (on the computer) more fun." -H.K., Pensylvania

"You may certainly be assured of my patronage in the future." -A.N. Massachusetts

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SIERRA®
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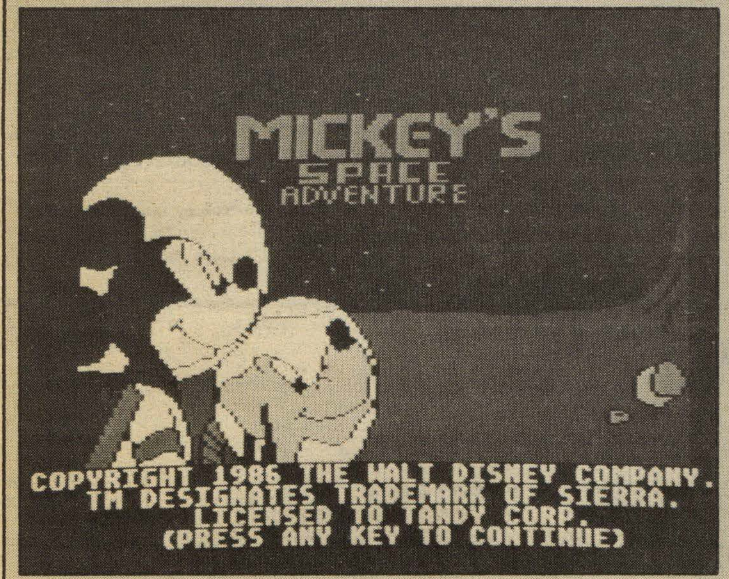
Children's 3D Animated Adventure

Quest Outer Space With Mickey Mouse

Colorful Solar System Adventure for Ages 8 and Up



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Imagine Mickey and Pluto sitting in their space ship ready to launch. They feel a gentle vibration as the rocket engines begin to ignite. Then, as the rockets go to full thrust, they blast off into space feeling the full G-forces of acceleration.

Mickey's quest is to help some friendly aliens recover lost pieces of a valuable memory crystal. His travels will take him all over the solar system and he learns all kinds of astronomical facts. Your child will be having so much fun playing the adventure, he won't realize how much he's learning: The names, relative size and positions of the planets, their surface temperature, etc. The moons of each planet. How planets rotate on their own axes as well as around the sun... the concept of gravity.

If you're looking for a way to get your child interested in computers, this is an excellent program choice. With the fun plot, familiar 3D animated characters, and over 150 colorful scenes, it's a real attention grabber. Figuring out the spaceship controls and following the clues... it's all part of the intuitive process designed for children to be challenged, yet successful.

Get your child going on computers with this exciting 3D Adventure. Order now! (For PC/PCjr compatibles with CGA.)

701-017 PC Mickey's Space Adventure 1 lb.
List 29.95 **Our Price $19.95**

Computer Boxing for IBM-PC

Create Mike Tyson & Then Knock Him Out!

Amazing Interactive Boxing Game

Review by Eben Brown

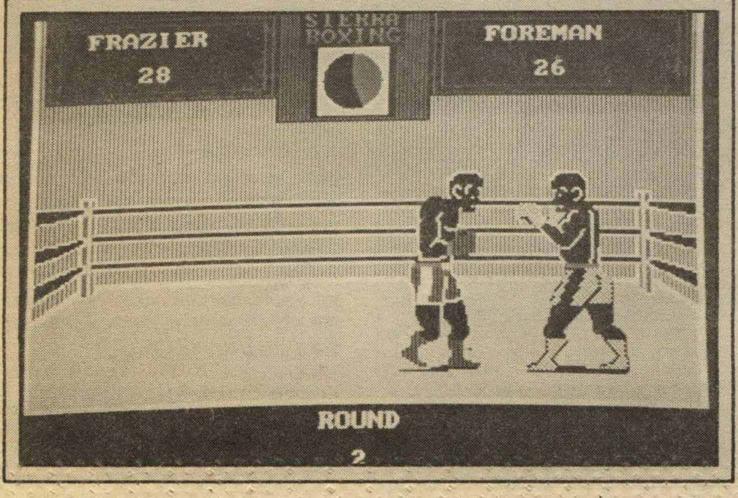
Imagine taking detailed statistics of a boxer such as Mike Tyson, feeding them into your computer, and coming up with a computerized version of the real the fighter himself. What about taking the best features of several boxing greats and building a super fighter? Kind of makes you feel like Dr. Frankenstein, doesn't it?

Custom building fighters is just one of the many features of Championship Boxing. In arcade mode, you control every move of one of the fighters... actually do the fighting yourself. In strategy mode, you tell a fighter what to do. For example, I had "Gentleman Jim" Corbet beating Norton on points until I told him to quit jabbing and go for the knock out. Norton found an opening and knocked him out! If only I'd told him to keep jabbing and covering up! I bet *you* could do better.

With *Championship Boxing*, you can pit any two of 50 boxing greats against each other. You can check their statistics and give them talents they don't have in real life... find out how they'd do if only they had a better jab or uppercut.

I've always enjoyed watching boxing and now I can enjoy actually having something to do with the outcome of a fight. You'll enjoy it too. Order *Championship Boxing* today! (Requires CGA)

701-009 PC Championship Boxing 1 lb.
List 34.95 **Our Price $21.95**



Japan's 500,000 Best Seller!

Gobot® Transformer® Simulator

Become the Humanoid/Fighter Plane Armored Robot!

Review by Eben Brown

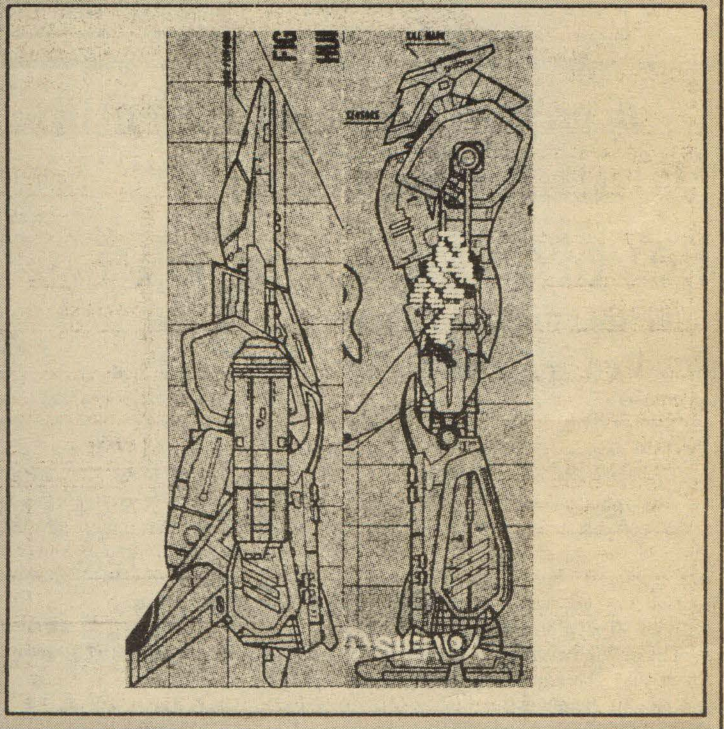
That's right! You or your child can be piloting a futuristic armored robot as it battles through challenging attack scenarios. At the touch of a button, watch and experience the transformation from humanoid to fighter plane... then streak to your next encounter at mach 2!

It's called THEXDER™ and it's Japan's hottest selling computer game. Originally designed for 2nd generation 16 bit computers, THEXDER™ incorporates advanced graphics and sound capabilities. You won't believe the choreography of music and animation!

As THEXDER™ you'll fight enemies in caves, cargo holds, and spaceship interiors... meet and do battle with over 20 different kinds of aliens. The more you conquer, the more challenging your enemies become. The music even becomes more intense as you progress.

If you've been looking for "something different" in an action computer game, this is your ticket. A different game, different kind of hero, and state of the art programming techniques. Order THEXDER and experience it all!

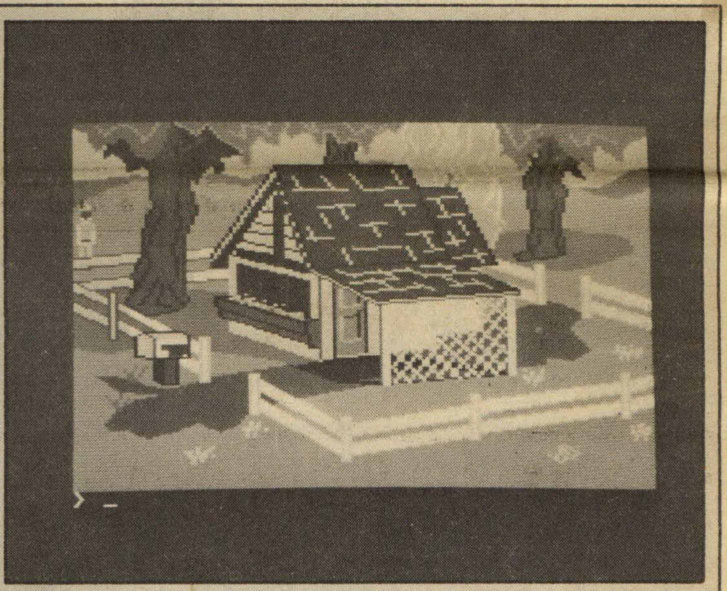
701-212 PC-THEXDER™ (color only) 1 lb.
List $34.95 **Our Price $24.95**



3D Animated Adventure

Rescue a Beauty From Undersea and Vampire Worlds

Find The 3 Keys To Unlock The Doors To The Enchanted Land



Watch the scenery and action on your screen as you travel to adventure in your quest to free the beautiful princess from her tower-prison. It won't be easy. Not only is she miles away... she's actually in a different dimension.

In this, KQII-Romancing the Throne, you go with King Graham on a remarkable quest. You'll brave many dangers on your journey... a journey which begins on an ordinary desert beach and becomes ever more dangerous and exciting as it brings you through undersea worlds and into the passages of a Vampire castle. Can you wheel and deal with the likes of Neptune? How do you think you'd fare against Count Dracula? If you survive, you'll win the lovely girl for King Graham.

The adventure itself is intriguing and captivating. But, you'll find the scenery and music ever so pleasing to your senses. You won't have to imagine your locations and actions. You'll see them right in front of you in blazing technicolor. Make King Graham walk across a screen, swim in water, jump... you can see him doing everything you direct him to do! In the background you'll hear a beautiful musical score... including Tchaikovsky's "Romeo & Juliet". It's really something.

You'll find plenty of enjoyment and challenge in KQII-Romancing the Throne. If you want a little help, order our KQII hint book. Order this terrific adventure today!

701-002 PC-KQII Romancing the Throne (CGA/EGA 3.5 & 5.25 Disks Included) 1 lb.
701-102 ST-KQII Romancing the Throne (Color/Mono) 1 lb.
List 49.95 **Our Price $29.95**
701-HB2 KQII Hint Book 1 lb. $7.95

Learn Helicopter Flight Techniques

Blue Thunder Flight Simulator

3D Helicopter Dogfight With Your Neighbor Down The Street

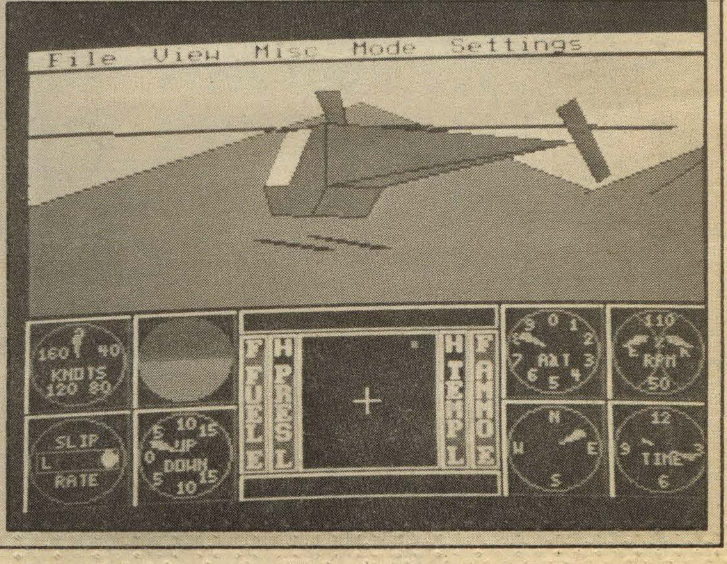
Review by Eben Brown

Believe it or not, there really is an attack helicopter like the "Blue Thunder" of movie and TV fame. It's called the AH-64A Apache and it is truly the most awesome fighting helicopter ever built. You can learn to fly the Apache with our Sierra 3D Helicopter Flight Simulator. What's more, you can even dogfight with another player... sitting next to you or on the other side of the world through telephone hook-up. You'll see things from your point of view and he'll see them from his!

Take off and land at Los Angeles International Airport. Once your rotors are up to RPM, adjust rotor pitch to lift off. Then, put the nose down and your Apache starts gaining forward speed. The realistic engine sound and warning beepers are great. Even better is the view of the scenery passing beneath and other aircraft in the sky. Zoom in front of or behind 3-dimensional skyscrapers, towers and mountains. Watch a draw bridge raise and lower as you cross a harbor full of ships. Rotate 360 degrees (like a real helicopter) and you can scan through the entire scenery surrounding you!

This amazing Helicopter Flight Simulator is finished and shipping NOW. It supports PC Compatibles with CGA, EGA, and Hercules. 3.5 and 5.25" disks included. Don't be without it a minute longer... Order your copy today!

701-008 PC-3D Helicopter Flt. Sim. 1 lb.
List 49.95 **Our Price $29.95**



SIERRA
For Atari ST® and IBM-PC®

Children's 3D Animated Adventure

Winnie the Pooh, Eeyore, Tigger & Owl

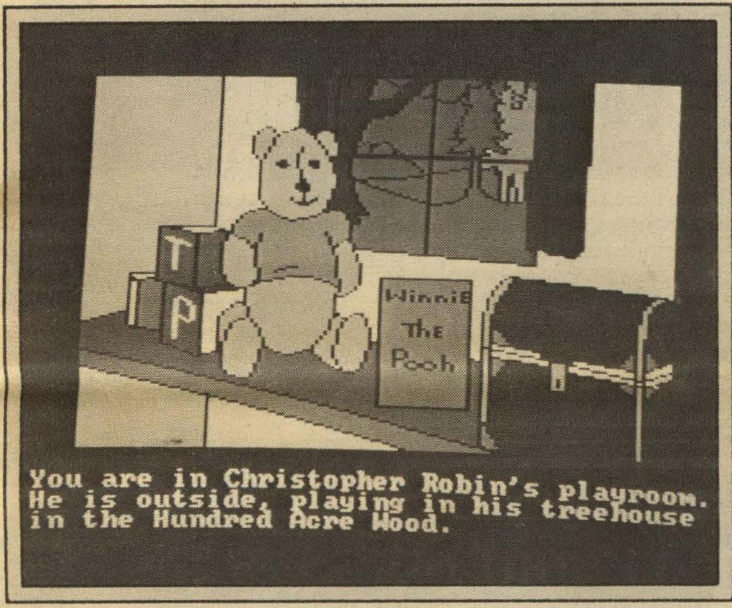
Colorful Fun Filled Adventure In The Hundred-Acre-Wood for Ages 7 and Up

A blustery wind came up last night and blasted through the "Hundred Acre Wood". It picked up and blew things all over the place. Can your child find all of the missing belongings and return them to the Pooh characters in the wood? The object of the game is simple to grasp and your child will have little trouble keeping "On-Task" (as teachers are fond of saying...What a dreary way of looking at things!) Winnie the Pooh is anything but dreary! The animation and adventure plot are simply extraordinary. Like playing a television cartoon. Ever see the total concentration on a kid's face when he's watching cartoons? Right!

Besides the fun of interacting with familiar cartoon characters, your child will develop mapping, reading, and logical thinking skills. He'll have to follow a map to go from Pooh's to Beyore's house. Finding the missing belongings depends on paying attention to and reading the many messages displayed during the game. And, Owl will help the young thought processes with wise clues and hints.

Order this colorful 3D animated adventure and watch your child grow to love computing!

701-015 IBM PC Winnie the Pooh 1 lb.
(PC/PCjr Compatibles With CGA)
List 29.95 **Our Price $17.95**
701-110 Atari ST Winnie the Pooh 1 lb.
(1040/520 Color or Monochrome)
List 24.95 **Our Price $16.95**



You are in Christopher Robin's playroom.
He is outside, playing in his treehouse
in the Hundred Acre Wood.

3D Animated Adventure

Outwit Witches, Bean Stalks, Eagles & Dragons

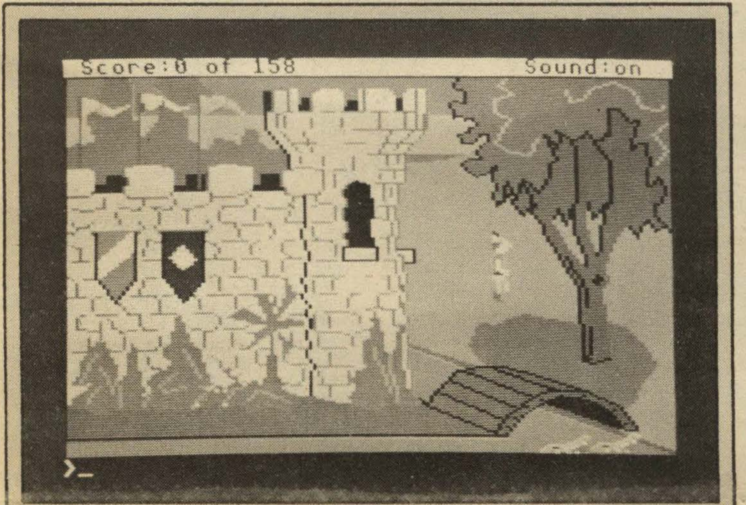
Find the Magic Pieces That Save the Kingdom and Claim the Crown

You may have played adventure games, but you have to see this one to believe it! On your screen you'll see 3 dimensional animated characters and scenes which react the way you direct them to react.

Journey with young Sir Graham in his quest to find 3 magical items that will save his Kingdom of Daventry. It's not a simple task. On your way, you'll encounter a wicked witch and nothing can save you from her but your own quick thinking. If you survive that, you'll face other challenges including a dangerous beanstalk climb, a ride through the air... grasped in a giant eagle's talons,... you'll even have to do battle with a fire breathing dragon! You won't have to imagine what these adventures look like. They'll be depicted and animated in all of their 3 dimensional glory right on your computer screen!

Survive, nab the three magic items and you'll win the Crown of the Kingdom. That's *KQI-Quest for the Crown*. If you want a little help, order our KQI hint book! You'll really enjoy this colorful graphic adventure. (3.5 and 5.25 disks included).

701-001 IBM PC KQI-Quest for Crown
(EGA/CGA 5.25 & 3.5 Disks Incl.) 1 lb.
701-101 Atari ST KQI-Quest for Crown
(Color/Mono) 1 lb.
List $49.95 **Our Price $29.95**
701-HB1 KQI Hintbook 1 lb. $7.95



3D Animated Adventure

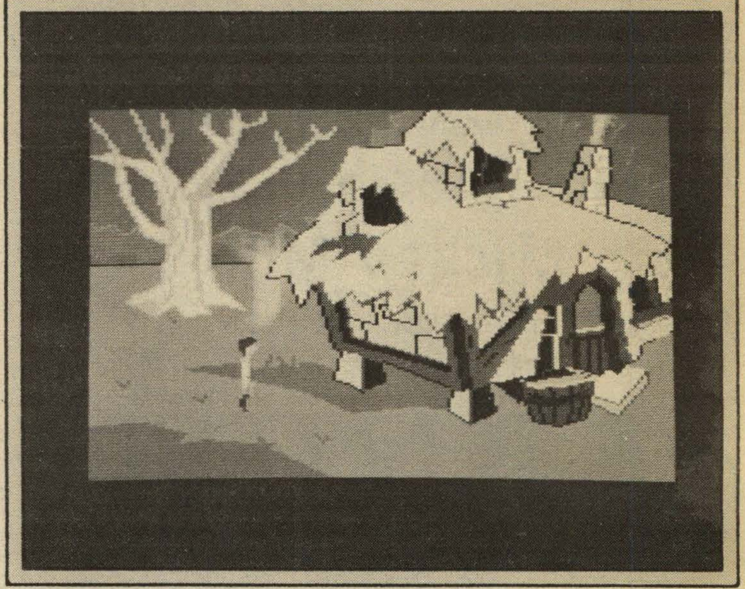
Find & Destroy the "Black Cauldron"

Save The World From The Evil Horned King And The Cauldron's Power

Review by Eben Brown

Centuries ago in the mystic land of Prydain there once was a king so evil he was thrown alive into a crucible of molten iron. Before he died he cursed the firey cauldron to capture his demonic spirit. Thenceforth, whoever was evil enough to use the Black Cauldron's power would either rule the world or destroy it.

All had been fine for centuries, but now there is evil upon the land. The Horned King and his marauding army are set to find the Black Cauldron and use it's power to enslave the world. Only the young Taran can save humanity. He has the sage "Dallben" and the visionary pig "Hen Wen" to guide him. *You* must direct Taran on his dangerous quest to find and destroy the Black Cauldron before the Horned King can claim it. Can you do it?



The Black Cauldron is a joint effort of the 3D Adventure Experts at Sierra and the animators of Disney studios. As you might guess, the graphics and music are superb. The playability is challenging, but not too technical... children can play as well as adults. Order today. And, if you want some help, order our Black Cauldron Hint Book.

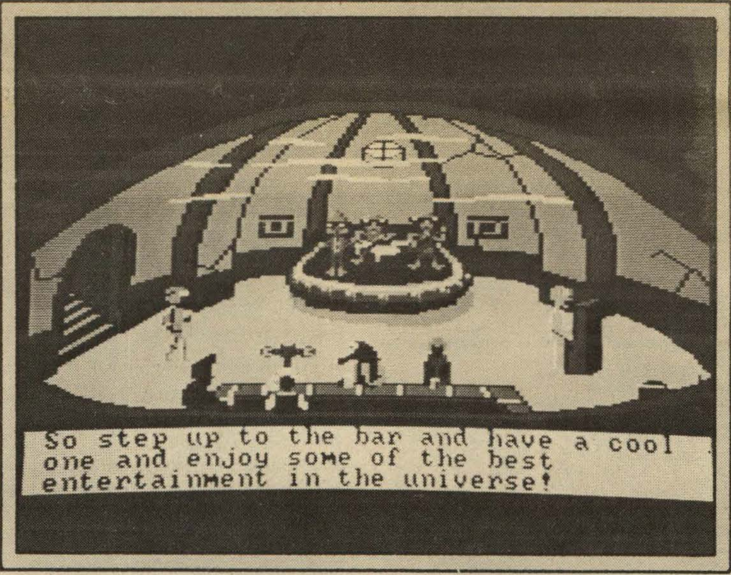
701-004 IBM PC Black Cauldron(CGA) 1 lb.
701-104 Atari ST Black Cauldron(Mno/Clr)
List $39.95 **Our Price $23.95**
701-HB4 Blk. Cldrn. Hint Book 1 lb. $7.95

3D Animated Adventure

Defeat the Sariens And Bring Back the Star Generator

Only You Can Save The Dying-Sun Planetary System of Earnon

Light years away lies the doomed planetary system of Earnon. Their sun is slowly dying out and it looks like the end is near for a once vibrant civilization. As is often the case, adversity has spurred a few brilliant scientists to a discovery that could save their solar system. Aboard the space lab Arcada, they complete final testing of the Star Generator... a device of such awesome power it can turn a lifeless planetoid into a brilliant new sun. This is just what Earnon needs!



So step up to the bar and have a cool
one and enjoy some of the best
entertainment in the universe!

Unfortunately, the Star Generator can also be used as a terrible weapon and the Sariens have set their sights on capturing it and using it to enslave the universe.

As Roger Wilco, you'll have to brave many difficult situations before you can bring the Star Generator home. On the planet Kerona, you'll mingle with some pretty down and dirty aliens. In a subterranean world you'll deal with a super intelligent race... time will tell if they're friendly. You'll encounter the Sariens face to face in the bowels of the Deltaur. The very survival of your entire race and way of life rests upon your shoulders. Can you survive?

3D animated graphics, outlandish sound effects and music, and a plot that gets more and more challenging the longer you survive. That's Space Quest. If you'd like a little help, order our Space Quest Hint Book.

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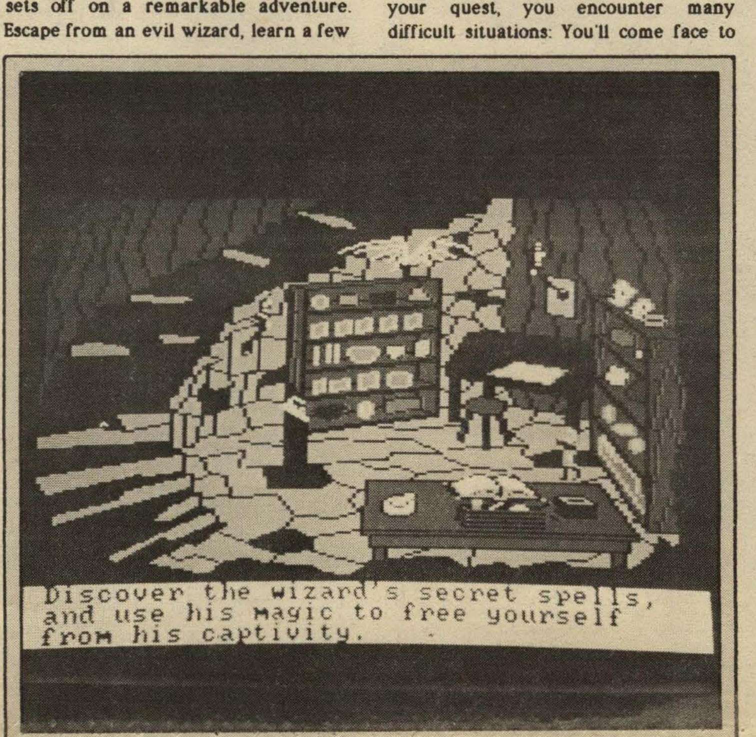
Go with the poor slave Gwydian as he sets off on a remarkable adventure. Escape from an evil wizard, learn a few magic spells you can use yourself! On your quest, you encounter many difficult situations: You'll come face to face with Medusa (and you know what happens to people who look at her). What will you do when the Abominable Snowman confronts you? There are main plots and sub plots of the main plots which you must work your way through. This is the most sophisticated 3D Animated Adventure Yet.



Discover the wizard's secret spells,
and use his magic to free yourself
from his captivity.

KQIII-To Heir Is Human breaks new ground in the animated adventure field. For the first time you'll be able to map your travels to keep track of where you've been. And, the vocabulary of the game is larger than ever before.

Of course the graphics and music are superb. There's plenty of color, animation and quick screen changes. The music and sound effects add alot to your playing enjoyment. KQIII is winner of the "Best Music in Computer Software" award.

You'll have plenty of challenge and enjoyment working your way through this adventure. If you want a little help, order our KQIII Hint Book.

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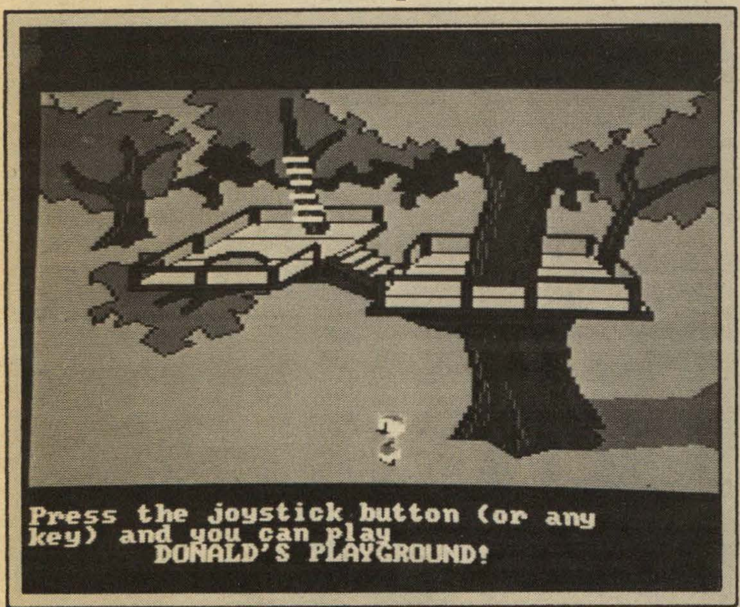

Press the joystick button (or any key) and you can play
DONALD'S PLAYGROUND!

Huey, Dewey, and Louie want a playground and Donald is going to build it. He's going to need your child's help, however. The Amquack Special train will have to be properly directed if it is to get to the right towns and make the right pick-ups and deliveries in Duck County. Your child earns game money for each package delivered.

For playground materials, Donald will need to earn more money. He'll work at the produce stand, stock toy store shelves, and even sort cargo for the McDuck Airlines. As your child works Donald through these jobs, he'll be challenged to recognize and match shapes, colors, and letters. And, making playground equipment purchases, your child unconciously begins to understand money-handling.

Make no mistake about it: The artists and programmers at Disney and Sierra designed this program to be captivating and fun. Who say's learning has to be dull? Set your child in front of your computer with *this* program and you'll have a tough time tearing him away. Get your child interested in computers by showing him how much fun it can be. Order Donald Duck's Playground!

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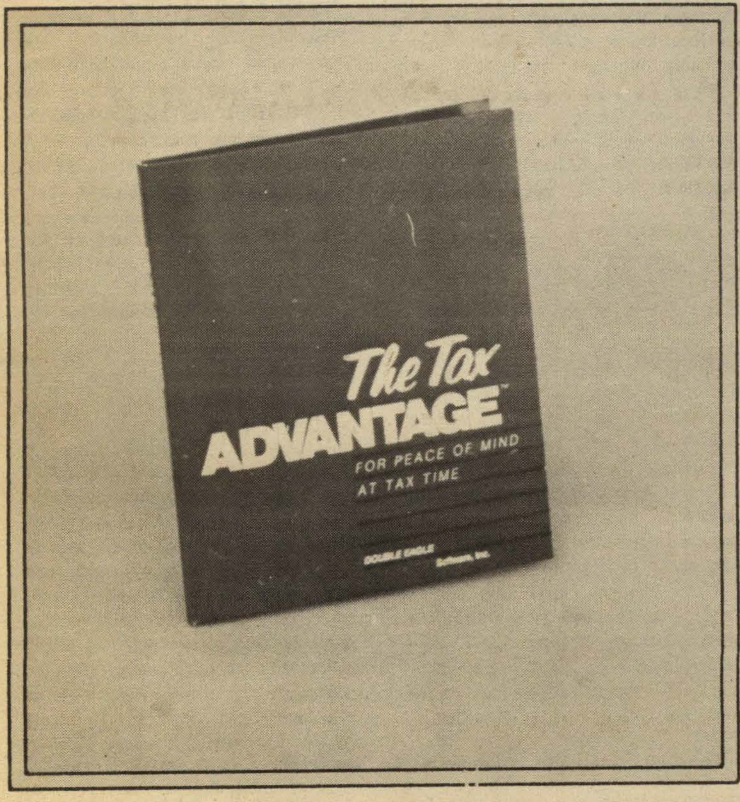


High Speed Efficiency

Print Checks, Balance Books & Budget ...Make Your Money Earn!

Review by Eben Brown

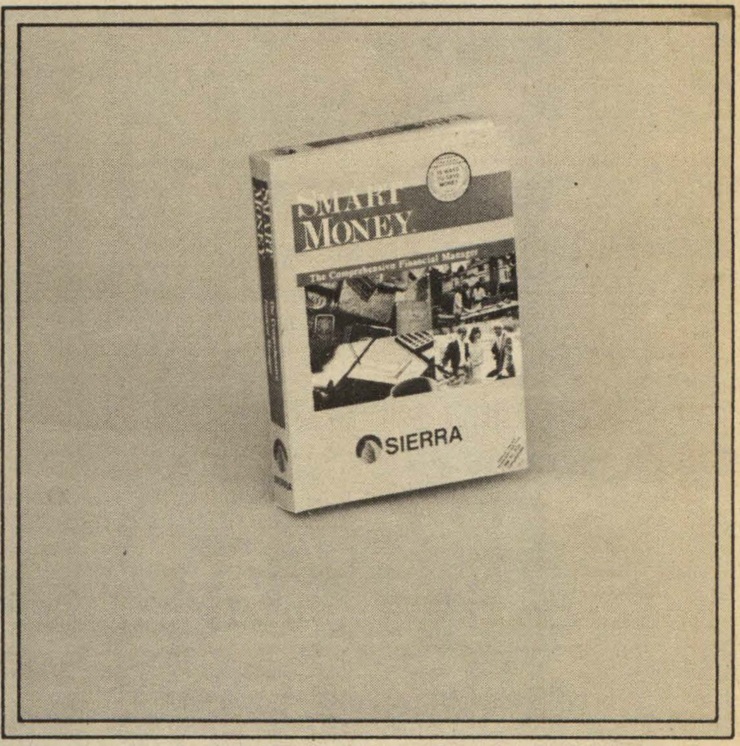
We all know we should pay more attention to our finances. But, who's got the time... much less expertise? Tallying and analyzing figures isn't what I like to do in my spare time. How about you?

Smart Money™ is a terrific financial manager/bookkeeper package from Sierra. Powerful enough for a small business, it retains enough simplicity for individuals as well.

Pay your bills by computer generated checks and the amount is automatically deducted from your balance and entered into your personal ledger. Of course, you can enter handwritten checks as well. The computer keeps tabs on your expenses and income... generating neat, readable reports. Never again will you wonder "Where does all the money go?"

Imagine when you go to the bank for a loan and present computer-printouts of your financial statement, income statement, etc.... with assets and liabilities neatly and accurately recorded. There's no way they can give the run-around to someone as efficient as you!

Beyond the accounting, Smart Money™ helps you plan, budget, and analyse investment opportunities and retirement.



It begins to sound complicated, but that's the part the computer takes care of. *Your* interaction with the computer and all of it's calculations and reports is straight forward and simple. What I'm saying is that you can have excellent control of your finances while putting forth little more time and effort than you do now. Get a grip on things... Order Smart Money™ today!

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What You Should Know About...

The Design Excellence Award

New EABCO Program Recognizes Outstanding Achievement

by Eben Brown

The people who think up and perfect the many computer products we sell are a different breed of cat. Alot of time no one ever really finds out who they are. Sure, they make money from their inventions. But, after the money is made and the market has gone on to other products, what do they have to commemorate their accomplishments?

It's with this thought in mind that we started the "Entrepreneurial Design Excellence Awards" program. The intent of the program is to acknowledge individuals for their accomplishements. This award is not given to companies, only to individuals with a direct hand in developing a product.

Throughout this catalog you'll see various products with the "Design Excellence Award" insignia in their descriptions. Under that you'll see the name or names of the recipients. We're proud of our association with these fine individuals and trustt you'll find their product designs exceptional.

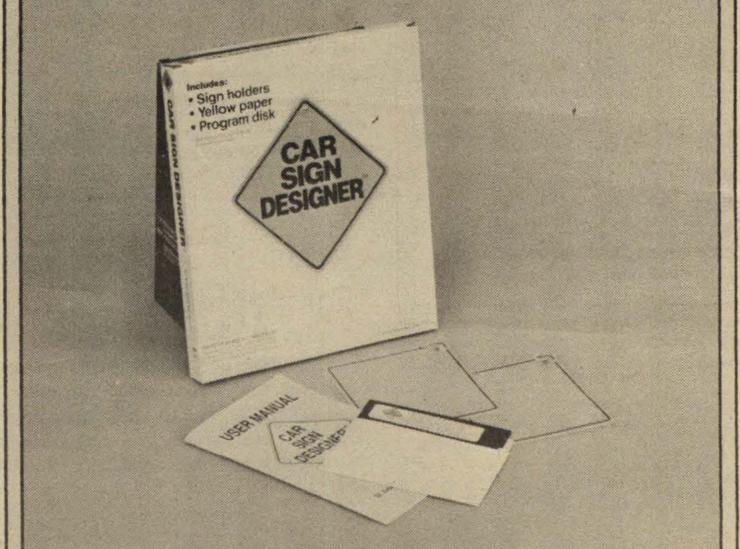
New For IBM PC Compatibles!

"On Board" Car Sign Designer

Design, Print, and Mount Your Own...Suction Cup Holders Included!

You've seen those cute yellow "Baby On Board" signs hanging in car windows. Now you can make up your own signs for humorous or serious applications.

Load our Car Sign Designer software into your PC and our special yellow car sign paper into your printer. On your screen is WYSIWYG...what you see is what you get. The software has graphics design and type style/font variations. Put everything where you want it and then print out on our yellow paper. Fold the paper along the sign border, slip it into the suction cupped sign holder, and stick it inside your car window.



Of course, you're not limited to cute humerous messages. Make up signs to give other drivers a piece of your mind! Support your local sport with a cheer from your car sign. Order extra holders and make signs to express your Church, club or other organization's viewpoint. How about a "This Car For Sale" sign?

Car Sign Designer is for PC Compatibles. Each package contains 2 sign holders with suction cups, 50 sheets of fanfold "Car Sign Yellow" paper, the Car Sign Designer software on disk, and an instruction manual. It prints to any Epson compatible graphics printer. Order your's today!

340-700 PC Car Sign Designer 3 lb.
List 29.95 **Our Price $19.95**
340-701 6 Extra Holders 1 lb. $7.95
340-702 200 Extra Sheets Paper 1 lb. $14.95

Dark Side... Tele-Secrets Revealed

Review by Eben Brown

Salami, Trapdoor, Trojan Horse... you've heard the terms. They're associated with the shadowy world of "Hackers". *The Hackers' Handbook* explains these and other aspects of the the secret world of telecomputing. You'll learn phone, programming, and hardware tricks for zeroing in on unlisted numbers, identifying and analyzing signals with no physical phone tap. You'll see how hackers figure out passwords, access codes, and protocols so they can communicate with unknown remote computers. You'll even find out about short wave radio hacking and packet switched communications.

Beyond all that, the Hacker's Handbook is everyone's guide to the how-tos of using modems with your computer. For once you'll understand the difference between asynchronous and synchronous signals... as well as a great many other mysterious terms. After reading The Hacker's Handbook, you should know 10-50 times more about modems and telecomputing than you know now.

With over 60,000 sold so far, THE HACKER'S HANDBOOK is definitely a best seller. Our current edition has 169 pages with both U.S. and international technical references. We have the book in stock for immediate delivery, so order today!

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The Graphics, music, and sound effects of Mortville Manor are enough to make it a great game value. But the Voice Synthesis feature makes it a MUST purchase for any self respecting adventure gamer. Order your copy now!

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Alien forces have over run the city of Metropolis. Granted the use of the latest in patrol craft, you must go out, seek and destroy the alien ships. You have a battery of smart bombs and multi-directional thrusters at your disposal. Can you defeat those lousy aliens?

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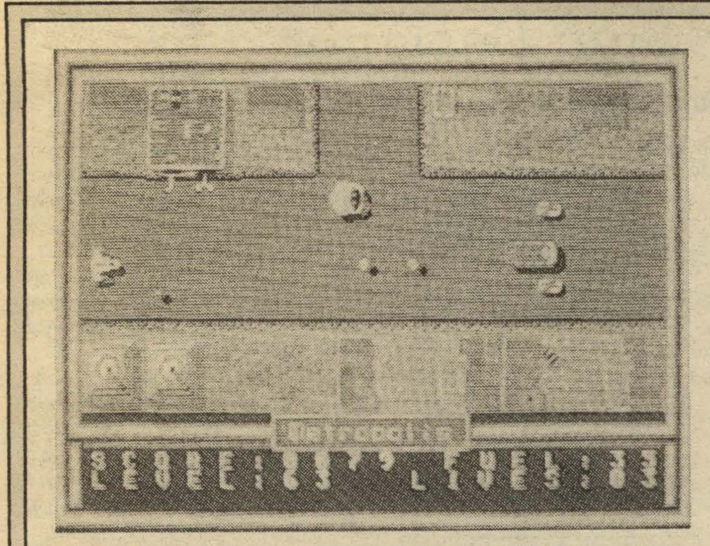

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Atari ST Machine Language

Learn machine and assembly language on the Atari 520ST and you'll know it for any other Motorola 68000 based computer! This book introduces you to the number systems, use of registers, structure and detail of the 68000 instruction set, use of the ST system routines, and more. If you like programming at the machine code level, this is the book for you.

440-406 Atari ST Mach.Lang. 1 lb.
List $19.95 **Our Price 13.95**

Atari ST Internals

Here's a book that shows you what makes the Atari ST tick. And essential guide to inside information on the ST, *Atari ST Internals* gives detailed descriptions of graphics and music systems, understanding the GEM operating system, software interfaces, important system addresses, and much more.

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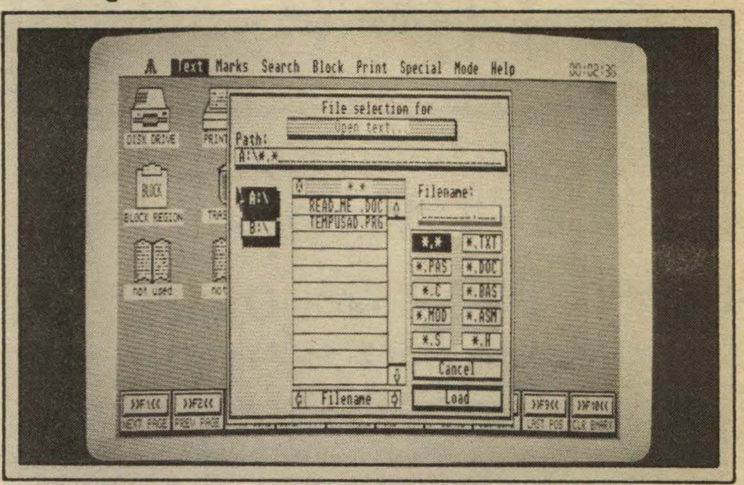

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ST Tips and Tricks

Write Your Own Professional Looking and Working Programs

Here's a terrific collection of programming tools and techniques that will help you write top notch programs on your ST. Learn how to program your own RAM Disk. Design your own print spooler program. Learn color print hardcopy, plotter output hardcopy, accessory creation and more. You'll learn how to make brilliant graphics, use the VDISYS commands, and master the power of GEM applications. Special tips show you how to refine your BASIC, assembler, and C programs. 260 pages altogether.

440-510 ST Tips and Tricks 1 lb.
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ST BASIC to C

Learn "C" Language the Easy Way

If you're already a BASIC programmer, C is a natural and not so difficult language to learn. This book gives parallel examples to show the similarities and differences of programming techniques in both langauges. Topics include variables, arrays, pointers, data structures, and more. In all, there are 250 pages of instruction bringing you to the point where you know how to program in C language. Well worth the price.

440-520 ST BASIC to C 1 lb.
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ST PEEKs and POKEs

This book explains a number of the most important POKEs and their uses. Gives a good look at the TOS architecture of the ST. Topics include the ST's configuration and interfaces, intelligent keyboard, mouse, pointer and stack, diskettes, TOS, GEM, interpreter and compiler, choice of programming languages, I/O, and more. 175 pages.

440-526 ST PEEKs and POKEs 1 lb.
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Atari ST For Beginners

A first time users guide to the Atari ST. Very good for those considering an ST purchase as well. Gives an overall viewing of the system programming languages and hardware. Explanations are accompanied by illustrations and diagrams throughout.

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ST Graphics And Sound

In depth instructions on how to create sophisticated graphics and surprising music and sound effects on your ST. Features a step by step introduction to graphics in 3 resolutions, 2D and 3D function plotters, moirè patterns, graphic memory, various resolutions, fractals, recursion, sound waveform generation, and MIDI. Example programs in BASIC, C, LOGO, and Modula 2 are included. 255 pages.

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ST BASIC Training Guide

Here's the extensive manual you've been waiting for to get you *power-programming* in ST BASIC. The *ST BASIC Training Guide* teaches you data program flow-charting, advanced programming techniques, multidimensional arrays, BASIC-GEM operations, sort routines, file management, and more. It's a complete ST BASIC course including self tests. If you're serious about using your ST BASIC programming language, order this 320 page book!

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Presenting the Atari ST

Here's a revealing background of the Atari ST computer and the company that makes it. Beginning with a history of Atari Corp., this book goes on to overview the ST computer, it's construction, operating system, peripherals, languages, user programs, the GEM user interface, Motorola 68000 instructions, and more. Whether you already have an ST or are interested in finding out more before you buy, this 200 page book makes great reading.

440-402 Presenting ST Book 1 lb.
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ST-GEM Programmer's Reference

This book gives indispensable information on ST GEM operating system features. It's easy-to-follow format talks about choosing a programming language, introduces C and assembly languages, explains the editor, C-compiler, assembler, and linker. You'll learn about programming the Virtual Interface Device (VDI), Application Environment Services (AES), Graphics Device Operating System (GDOS), and interfacing to TOS. Many sample programs are included as well as referenced GEM calls. 412 pages all together.

440-404 ST GEM Reference 2 lb.
List $19.95 **Our Price 13.95**

ST Disk Drives Inside and Out

The definitive guide to Atari ST hard, floppy, and RAM disk drives. Covers files, file structure, and data management and gives programming and technical details. Several full length program listings of utility and tool-type software are included. 375 pages.

440-523 ST Disk Drives Bk. 2 lb.
List $24.95 **Our Price 16.95**

Introduction To MIDI Programming

This book covers the fundamentals of Musical Instrument Digital Interface (MIDI) operation. Shows you how a synthesizer is actually interfaced to your Atari ST's MIDI ports. Includes C sourcecode listings for a comprehensive MIDI editor, driver, and animated player for any Casio CZ series, etc. 250 pages.

440-525 Intro to ST MIDI 1 lb.
List $19.95 **Our Price 13.95**

Atari ST LOGO

Many of you may have heard of LOGO programming language but don't know what it is. Why did they bundle it with the Atari 520ST? This book explains the language and how it works with the ST. It explains how LOGO's structured programming is easy to use, yet very powerful. Topics include graphic animation, file handling, structured programming principles, and more. You get LOGO free with your 520ST. Why not buy this excellent book and find out how to use it?

440-405 Atari ST LOGO 1 lb.
List $19.95 **Our Price 13.95**

ST 3D Graphics

This book teaches you fast 3D graphics techniques in 68000 machine language. learn axial rotation, zooming and shading of 3D objects as well as the mathematics and data structures behind them. Topics include transformation and projection of one dimensional figures to 3D, hidden line removal, shading, and introduction to 3D CAD. Comes complete with 3D patternmaker and animator. 351 pages.

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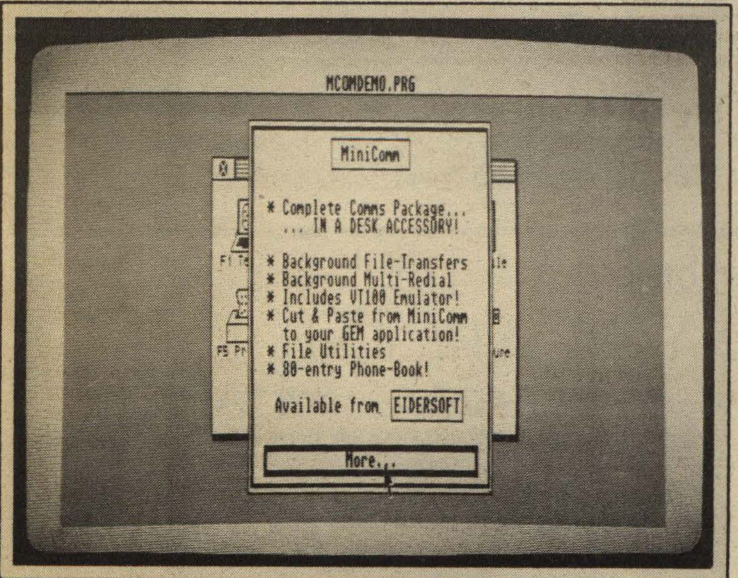

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More...

Imagine being able to access your modem from a pull down menu at any time... even in the middle of working on something else. Imagine going on line, setting up a down load, and then returning to your work while the download goes on in the back ground. Shades of Multi-Tasking! What you're imagining is a real life communications package called MiniComm. You can call this communication utility up from the desktop over any GEM program!

Being a desktop accessed program doesn't make MiniComm any less powerful. In fact it meets or beats the capabilities of other communications software. Emulate Teletype, IBM 3101, ADM 3/5, VT52, VT100 and VIDTEX. Put your most frequently dialed numbers and access codes into a directory for automatic processing. Auto-redial with user set delay and time out values. Definable function keys, screen dump to file or printer, session logging to disk or printer, Command script files... allows control of MiniComm features through a powerful programming language. Cut and paste between terminal and application program, easy configuration of modem and service characteristics.

Get your ST up to power with the best in telecommunications software. Order ST MiniComm today!

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You'll Involuntarily Duck!

Put On Your 3-D Glasses And Fly!

Review by Eben Brown

Remember those 3D horror movies with the funny red and blue lensed glasses? Here's the computer version! Put the glasses on and watch as stars and enemy space ships appear to fly right out of your computer screen. A special algorithm drew the images... either far apart, close together, or even overlapped. The effect is really convincing. My kids kept putting their hands out to touch the objects!

The game is called Wanderer and it takes place aboard a space ship. Your mission is to find and destroy the Ark of the Sphynx. You must travel in different space sectors and even different dimensions... facing enemies of varying speeds, sizes, shapes, and armament.

Try the latest computer gaming sensation: 3D Flight and 3D firing weapons. Order your ST Wanderer today!

587-404 ST Wanderer(Color) 1 lb.
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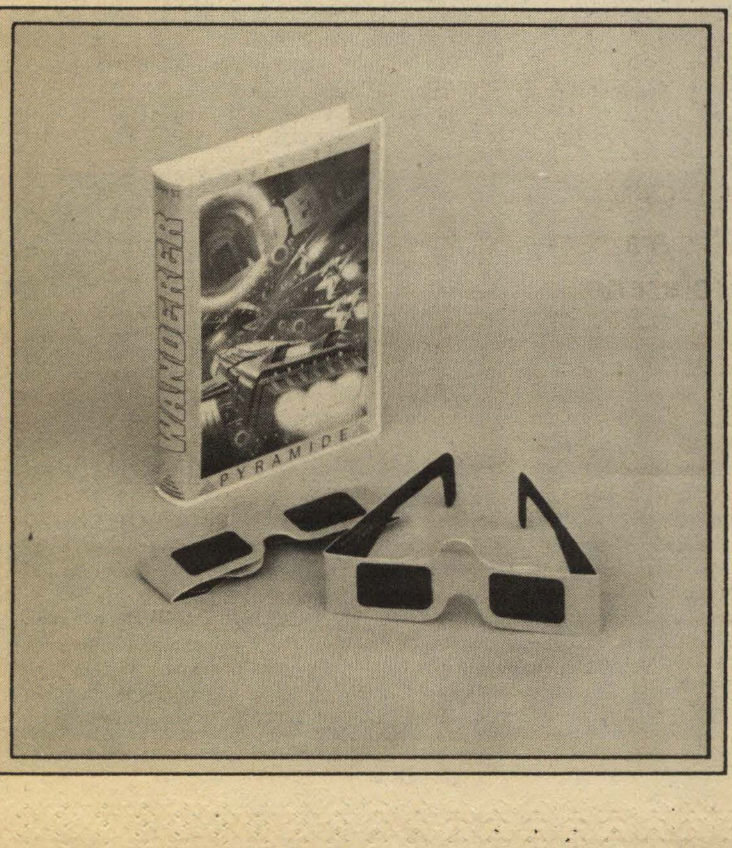


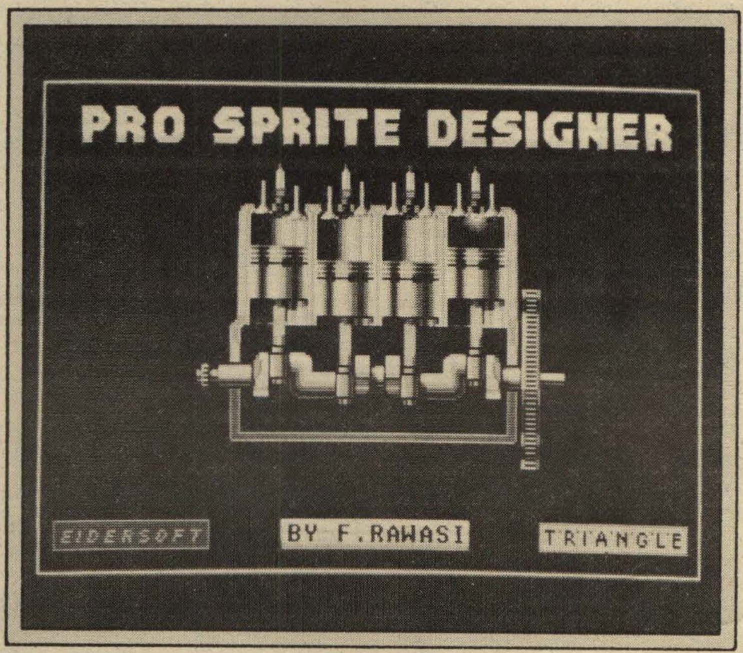
Do It Sprite By Sprite

Create 1,040 Frame Animated Movies

Do It Just Like Animators... A Frame At a Time... A Color At A Time

Review by Eben Brown

Picture a shiny-silvery cut-away of a four cylinder automobile engine with the pistons going up and down, the spark plugs firing in sequence, and the crank shaft spinning around... that's an example of Pro-Sprite Designer.



This is a program intended for people who want to do computer animation or just manipulate sprites. Your screen is divided in two parts with one side being your work area and the other a control panel. A simple grid allows individual pixels of any ST colors to be positioned using your mouse. When finished positioning the sprites, this grid becomes one frame of your animation sequence. 512K machines can have up to 1,040 frames. 1 meg machines up to 2,500.

The control panel resembles a video recorder. You can Fast Forward, Rewind, Frame Advance, Playback, etc. You can zoom, mirror, scroll, copy, swap,... a host of editing features. Playback at speeds from 0 to 60.

Once your animation sequence is finished, you can use it within other languages such as BASIC, Machine Code, C, etc.

Pro-Sprite Designer really gets you going on the graphics and animation features of your Atari ST. Order your copy today!

587-406 ST Pro-Sprite Designer(Color) 1 lb.
List 29.95 **Our Price $19.95**

Kung Fu Your Friends & Neighbors

Computer Karate Fighting

Review by Eben Brown

I wouldn't have thought I'd get into this game before I actually played it. Displayed beautifully on your ST color screen are two fully detailed Karate fighters. You control your own fighter with your joystick and try to knock out your opponent. The number of possible moves you can make is amazing: Jump, high puch, move forward, mid punch, duck, front somersault, move backward, block, jump kick, high kick, mid kick, low kick, foot kick, back somersault, turn, and high back kick!

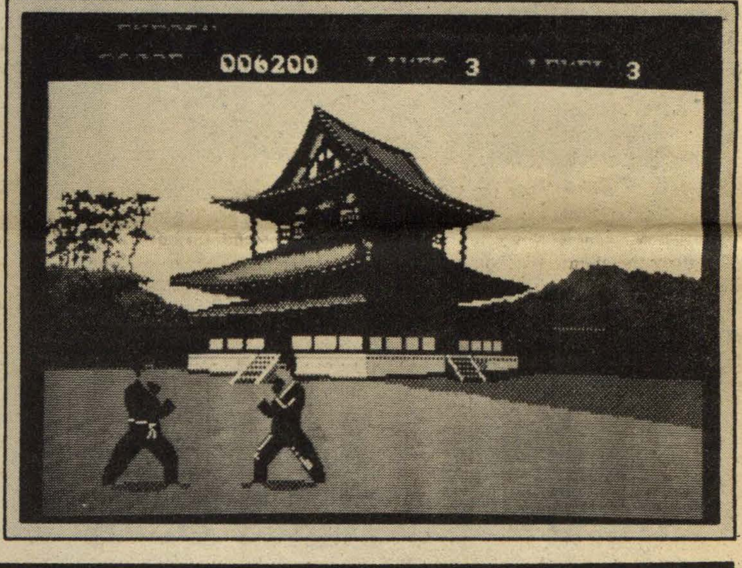
I was doing fairly well against the computer. But then my son wanted to play and we hooked up another joystick. That little kid beat the living daylights out of me!

The play is based on knock outs. Each fighter having 4 "Lives" to start with. First one to knock out the other 4 times wins. If you play against the computer, you score points and win opportunities to go on to succeedingly hard opponents... such as two at a time! As each ensuing bout starts, a different scenery back ground is presented.

I have to say my son and I really enjoyed the play, music and graphics of this game. Order your copy today!

587-405 ST Karate(color) 1 lb.
List 29.95 **Our Price $19.95**

Design
Excellence
Award
Steve Kelly



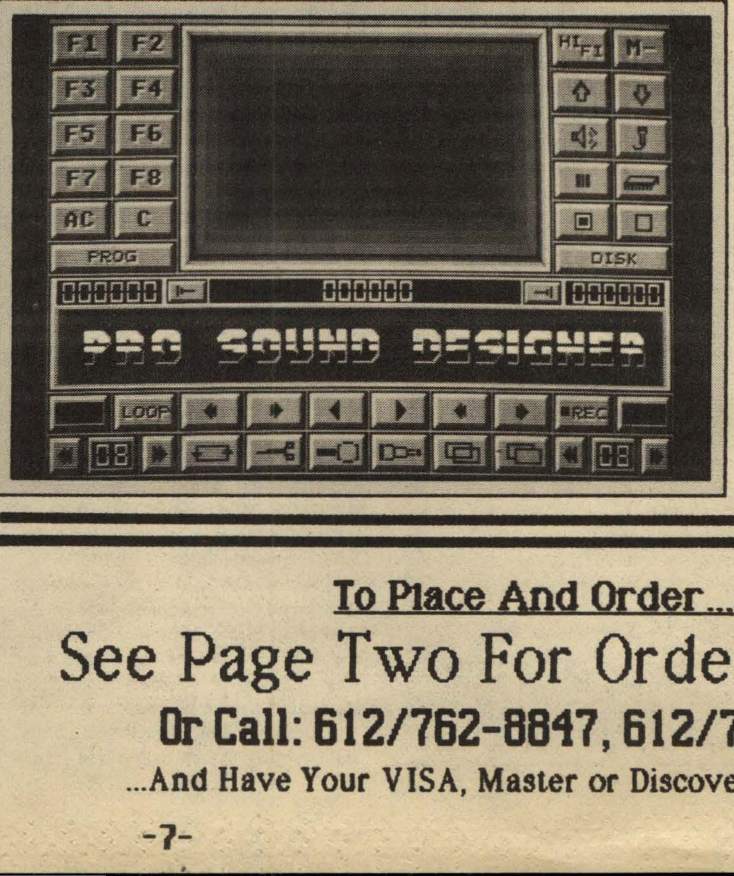
Capture Real Sounds...Create New Ones

Professional Sound Design System

Digitizes Real Life Sounds, Creates With Atari ST Sound Chip

Review by Eben Brown

"Pro-Sound-De-Sign-From-Ei-dersoft" ...So spoke the voice of the demo against a background of futuristic music and drums. This is a remarkable program which lets you capture real sounds from any electronic output...such as your cassette tape recorder. The capturing is done through an interface that connects to the printer port of your Atari ST. Once the sound has been captured, the interface is no longer needed.



Pro-Sound Designer software allows you to see the wavepattern of your captured sound, cut and paste-modify it, copy, overlay and mix it with other sounds, reverse it, or change the speed. Then, you can incorporate it into your own Fast Basic, GFA Basic, C, Atari Basic and machine code programs.

An added feature of Pro-Sound Designer is the ability to create new sounds using your Atari ST's own internal sound chip. Edit all three voices under mouse control. Then, save to function keys or to a conversion program for use with your own software.

The graphic user interface on this program is really nice to look at. Why not capture some real sound into your programs and MIDI applications. Order Pro-Sound Designer today!

587-407 ST Pro-Sound Designer(color)1 lb.
List $129.95 **Our Price $79.95**

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Master Five Card Games

Shut Up And Deal!

Brilliant ST Card Gamer Will Really Challenge

Design Excellence Award

J. Weaver, Jr.

Reviewed by Eben Brown

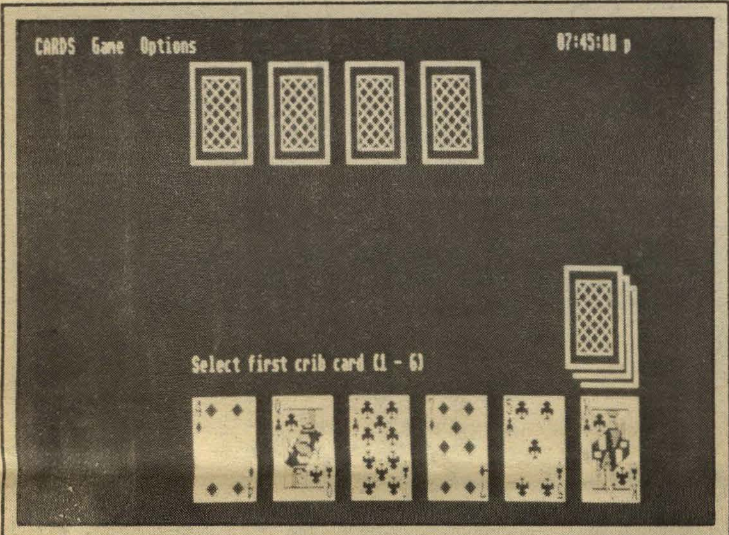
I'm not a Poker player, but when I saw that this program played Cribbage, I had to try it out. After selecting "Cribbage" from the drop down menu, I watched in amazement as the computer graphically pulled the cards from a deck and flip/dealt our hands. The cards are very realistic... facecards are especially detailed. Then we played...

All I can say is that either the computer is awfully good at cards, or it CHEATS! Alright, so I'm a sore loser!

You have to judge a computer card game by it's "knowledge" of the game as well as it's appearance. This fellow Weaver (he wrote the program) has to be a master at both. His program seems not to have missed anything in these card games. You have to consider every possibility if you want to win. And, you know what happens when you do that? You start getting pretty darn good at the game. After playing computer Cribbage a couple of days, I beat the socks off my formerly unbeatable Dad.

Just having Cribbage is worth the price. But, you also get Solitaire, Klondike, Poker Squares, and Blackjack. All with terrific graphics and unerring card playing accuracy. Order your copy and turn your ST into a "Card Sharp".

250-510 ST Cards (Color or Mono) 1 lb.
List 39.95 **Our Price $23.95**



Select first crib card (1 - 6)

Be a Whiz-ard!

Design And Play Your Own Pinball Games

No Two Games Are Alike... You Play Forever!

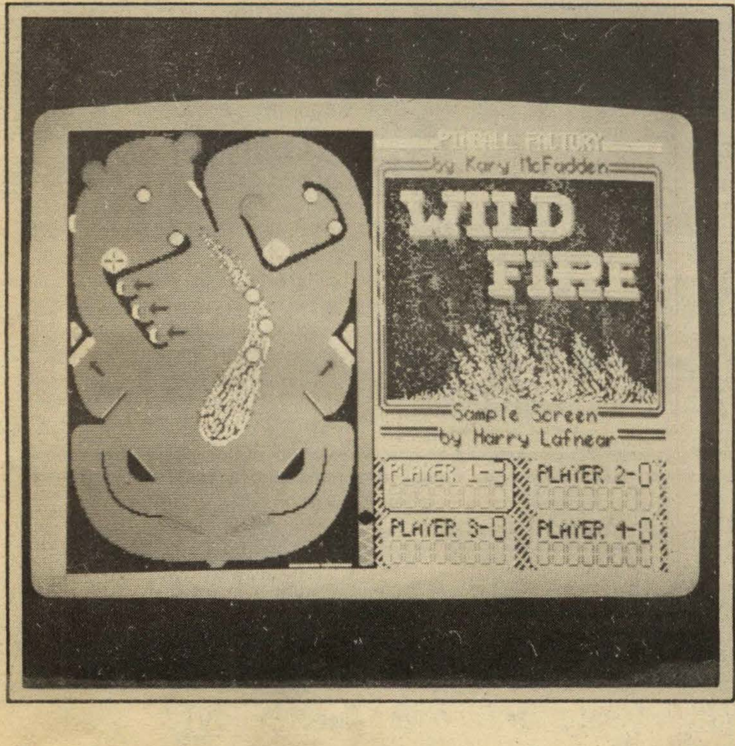
Reviewed by Eben Brown

This one program has to be the computer gamer's bargain of the year. It let's you design your own games! Go to the board layout function and draw the layout of your board... much like using a graphics-paint program. Put curving walls up. Paint colorful graphics, etc. Then put in the pinball machine parts: Big and small bumpers, round and flat ones, posts, angles... there's really a bunch of stuff to choose from. If you want to try out an idea, design it and then test it. If it isn't right, re-design it.

The graphics and sound effects are really terrific...due to high speed machine code programming. You can never get bored: Just change the game design! Save your designs to disk and you can instantly re-load them at any time. You can even "cheat" a little by tilting.

For Color STs only. You owe it to yourself to buy Pinball Factory.

250-735 ST Pinball Factory 1 lb.
List 39.95 **Our Price $23.95**



Read This Chess Lovers

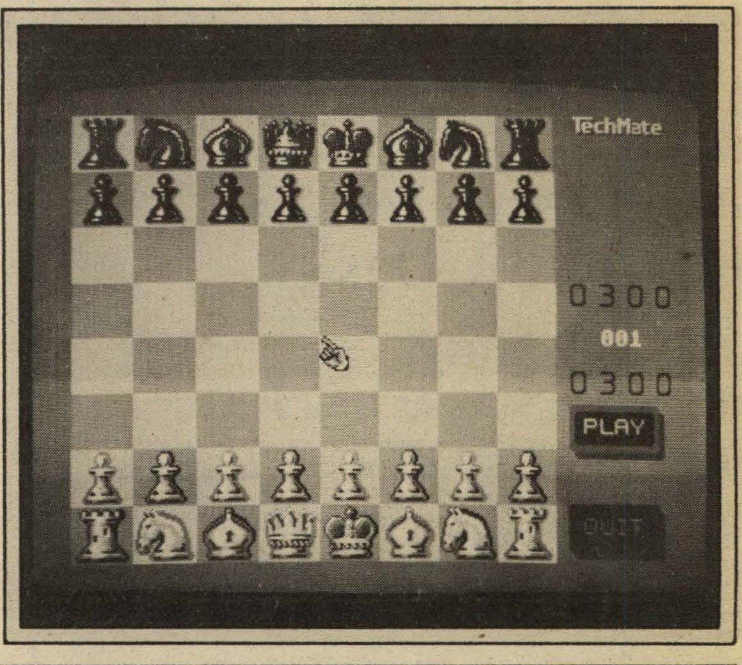
Point And Click Your Moves... No Silly Coordinates

Can Chess be any different on an Atari ST computer? You bet it can. Of course the graphics are superb. But beyond that, this new Computer Chess game offers options you couldn't impose on even the most human of opponents.

It knows all of the special moves including castling, promoting pieces, and capturing en passant. The neatest thing is it's ability to come up with ever more complicated moves with time. For example, you can set the amount of time you give it to make a move. The shorter the time you give it, the less complicated the moves it comes up with. Much like a human, it doesn't do as well when you rush it! But, better than a human, it plays with you whenever you want... as long as you have your ST computer handy.

You really deserve to own this Chess program. Why not send in an order right away and start enjoying computer Chess as it was meant to be?

250-508 ST Techmate Chess (mono/colr)1 lb
List 39.95 **Our Price $23.95**



Be A Hare...Not A Tortoise

Turbo-Charge Your Atari ST

Minimize Disk Access Time... Juice Up Your Processing Speed

If you own a hard disk, the only thing slowing your ST down is the time it takes to access the disk. Even *that* can now be dealt with. This new M-Cache software enables much higher speed because it cuts down on disk access time. Here's how it works.

M-Cache recognizes certain disk saves as repetitive ones and puts them in RAM. The result is that programs that are continually searching and accessing disks for old information now do it directly with RAM. And you KNOW how much faster RAM is than disks!

Do you lose any of the security of direct saves to disk? NO! M-Cache uses a "write-thru" cache that saves your data to disk even as it's saving to RAM. So, you're getting the speedy access of RAM and the security of disk. You lose nothing to gain remarkable speed.

M-Cache can be used with any ST equipped with a hard disk. Can you live without this, knowing how much faster your ST will be? Order today!

250-410 ST M-Cache (req. H.D.) 1 lb.
List 39.95 **Our Price $23.95**

Get Behind The "8" Ball

Shoot Pool With Your Atari ST

Great Game Conforms To Rules of Physics As Well As Billiards

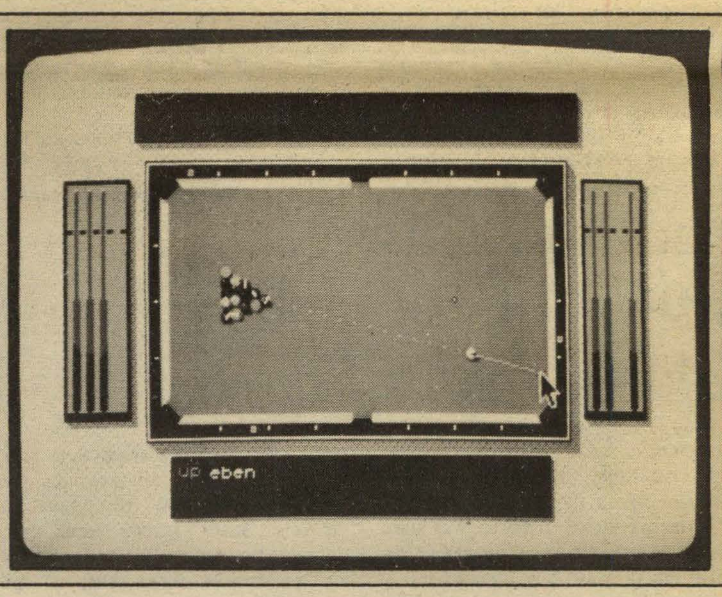
Reviewed by Eben Brown

You won't believe the realistic effects of this terrific computer billiards program. Line up your shot by moving your mouse. Shoot by pressing your mouse button. Watch and hear your que ball as it strikes the other balls and they click and clatter against each other. All of the graphics are in true proportion and the rules of Billiards and Physics are strictly adhered to!

If you're looking for a great ST game for one or two players, this is it! You can pick amongst 5 different rules of play, get HELP on optional commands, and even UNDO a bad shot! That's great for practicing before you set somebody up to lose a bet!

You're going to love playing 8 BALL on your color or monochrome Atari ST. It makes a great gift, too. Order your's today.

250-730 ST 8 Ball Billiards 1 lb.
List 29.95 **Our Price $17.95**



Powerful Graphics and Sound

Space Shuttle Simulator

Design Excellence Award

Paul Frewin

Chris Kew

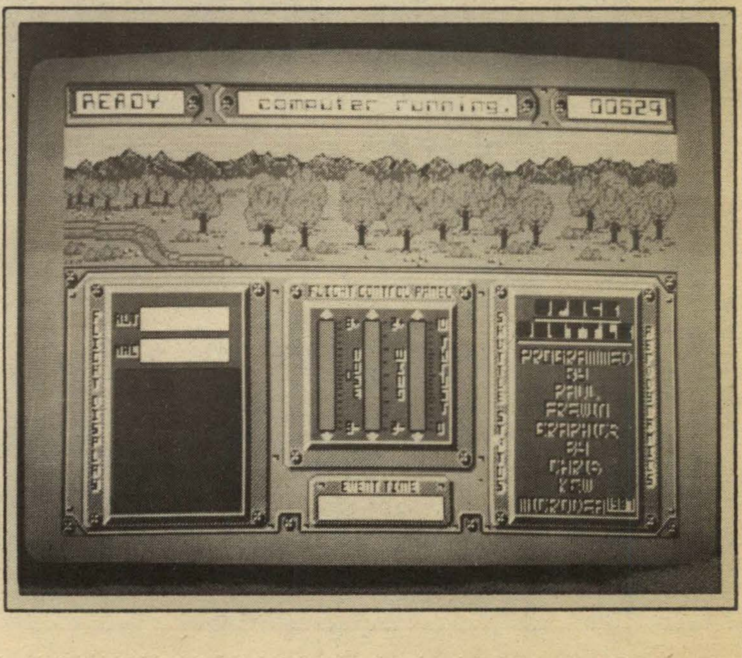
The best description for Space Shuttle II is that it's a realistic shuttle flight simulation inside an adventure game. The graphics, sound, controls, and navigation are so realistic, it has very real simulation value. But, you must do much more than master the craft. You have to accomplish a mission!

As commander, you decide the correct launch and landing sight conditions. You launch, go into a shallow dive to drop the external fuel tank, and make your way into orbit... gaining points for staying as close a possible to the optimum course. You engage the Orbital Maneuvering System (OBS) and find a damaged satellite. Strapping on your jet pack, you go EVA (space walking) and bring the satellite into the cargo bay.

The trip home takes skill... you have to negotiate an S-Turn at the right velocity and altitude to re-enter the atmosphere without burning up. You then fly the shuttle to a perfect landing, right? RIIIGGHT!

It's not easy. But it's really fun and you enjoy some of the world's best computer graphics in the bargain. Order your Shuttle II today!

250-384 ST Shuttle II (Color Only) 1 lb.
List 39.95 **Our Price $23.95**



MichTron

-For Atari ST®-

Awesome Graphics!

Save The World!

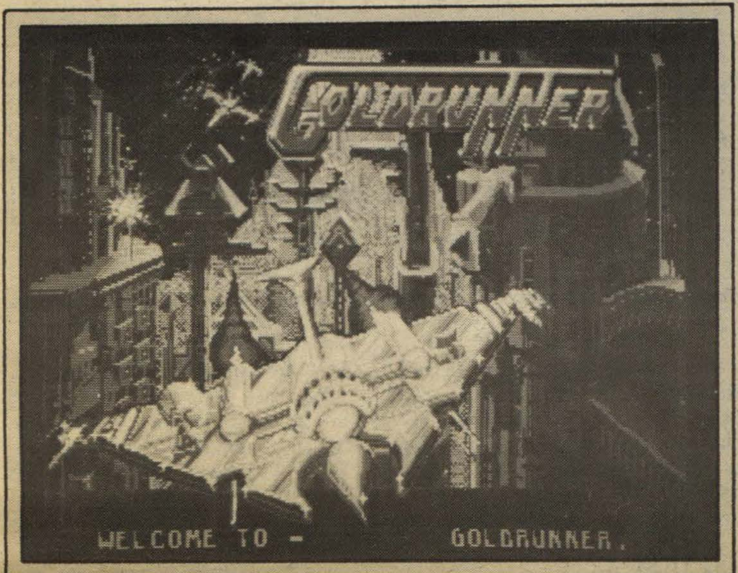
What? Again? This You Gotta See!

If there are two things computer games seem to have in common, it's "find the magic pendant" and "save the world from annihilation"... or similar themes. This new GoldRunner game is of the "Save The World" variety but you'll soon find it is much more than a repeat of past games. The incredible graphics, talking on-board computer, and original music score alone are worth the price to experience. But the lay-out and execution of the game will just blow you away!

The earth is dying and the only hope for mankind is a mass migration to a new planet. Unfortunately, the trip to this planet passes through the pirate "Ring Worlds of Triton". These pirates don't want you going through there and they employ some super high tech defenses to stop you. So, you'll have your hands full even with your talking computer shouting warnings and urging you onward. You'll get into some spectacular dogfights with Triton anti-spacecraft drones... firing your wing lasers aerobatically avoiding their onslaught. It's almost a vacation to strafe the beautiful Tritonese landscape!

Mankind needs you to lead them into the Golden Age. *Be* GoldRunner... you can do it with this program!

250-628 . ST GoldRunner (Color) 1 lb.
List 39.95 **Our Price $23.95**



We've Got The Beat!

Digital Drum Simulator

Turns Your ST Into a Realistic Drum Section!

Is there no end to the number of things you can do with your Atari ST? Load this new DigiDrum program and your ST becomes a sophisticated electronic drum synthesizer. You get a bass drum, snare, closed hat, cowbell, low tom, high tom, low bongo, high bongo, tambourine, electrobass, electrosnare, handclap, electroclap, and even a dog bark!

Use the DigiDrum program to combine these drum sounds into any pattern you wish. Several drums can be sounding at the same time and you can have 4 to 32 beats per pattern. Commands allow you to loop these patterns (make them repeat)... allowing perfect accompaniment with vocal or instrumental tunes. For even more flexibility, you can link different patterns together (up to 70 at a time). You can also store up to 99 of your patterns on disk.

DigiDrum runs in color or monochrome and sounds great through your monitor or TV speakers. It's completely compatible with ST-Replay sound digitizer. If you've "got the beat", you're going to love DigiDrum. Order today!

250-627 ST DigiDrum 1 lb.
List 39.95 **Our Price $23.95**

MICRODEAL/MICHTRON
Present
ST
DIGIDRUM
BY
2-BIT
SYSTEMS
SAM

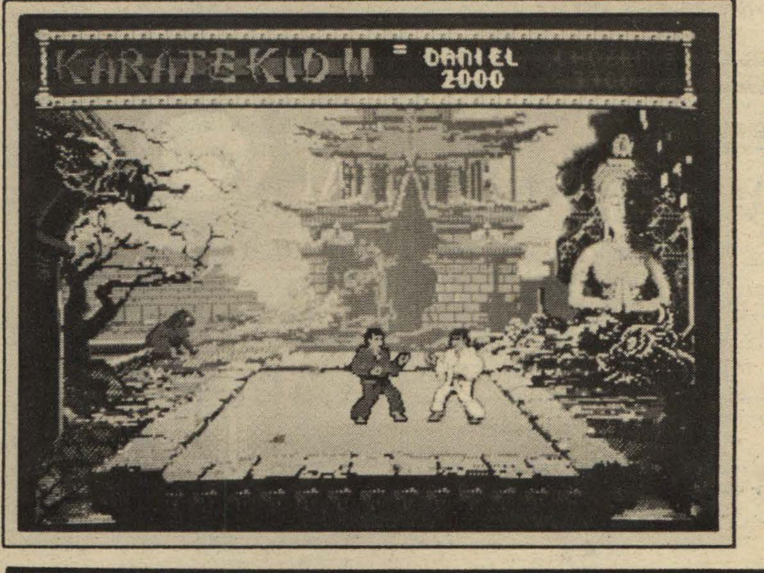
** Gift Certificates **

Can't Find What You Want For Someone Special? Send Whatever Amount You Want To Spend. We'll Send A Certicate And Catalog.

The Original Top Seller

ST Karate Kid II...Just Like the Movie

Fabulous Graphics and MIDI Soundtrack with Made-for-ST Action!



Whether or not you've seen the *Karate Kid* movies, you'll love this terrific Atari ST computer game. Daniel LaRusso enters a world of karate battles where his very life is at stake with each opponent. Relying on talent, strength, and cunning, you must guide him through each encounter until he reaches the evil Chozen in the Castle of the King Shohashi. There, Daniel must learn the secret of the drum... or die.

As challenging as this game is, you'll be amazed at the detailed scenery and MIDI compatible soundtrack. Dedication to movie-accuracy is apparent right down to catching flies with chopsticks and breaking ice with your bare hands.

One or two people can play Karate Kid II. It's designed to use either joystick or keyboard and a color display.

250-386 ST Karate Kid II 1 lb.
List $39.95 **Our Price 23.95**

STennis Anyone?... Here's Your Ticket

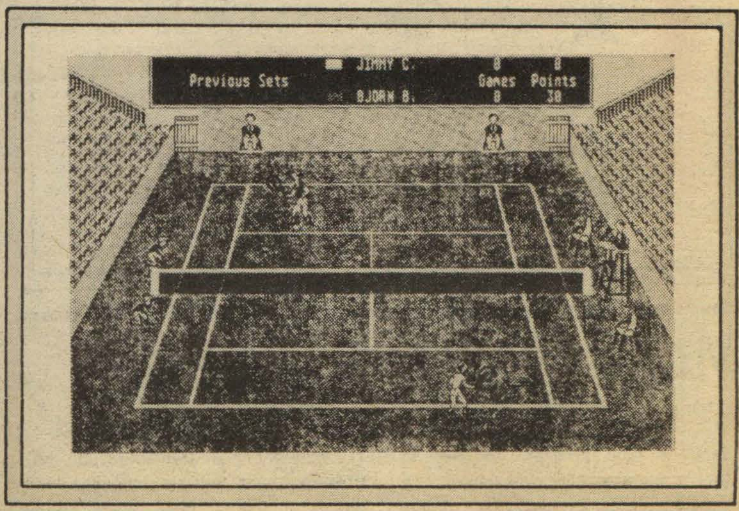
Match Point Computer Tennis

Tennis Buffs: Stuck In The Office? Play On Your Atari ST!

Computerized tennis has come a long way since the first "Pong" game was invented by Nolan Bushnell (the guy who started the original Atari Corp.) This new ST Match Point is like watching tennis on TV... only *you* control the players. Really, the graphics are superb right down to the tiniest details. There are even ball runners... you know, those kids that wait by the net and run after stray balls!.

ST Match Point allows 3 levels of difficulty: Novice, Amature, and Professional. You can play it by yourself, with one other person, or just watch the computer play by itself. Your input can be from the keyboard, a joystick, or your mouse and you can pause the game to collect yourself or just to get a snack from the kitchen.

The speed, smooth graphics, and challenge of a true arcade game are combined in ST Match Point. Order your's today!



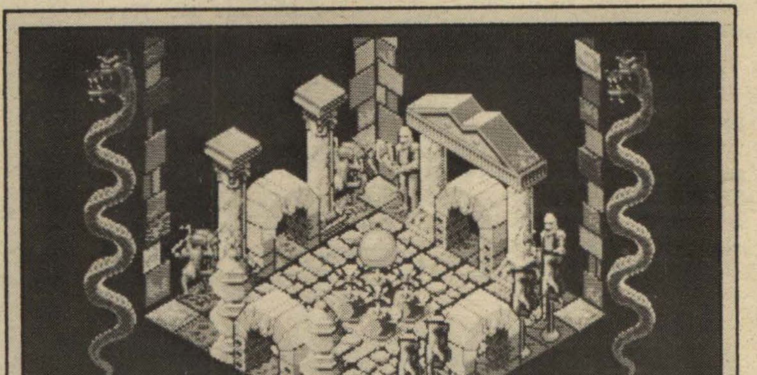
250-383 ST Match Point 1 lb.
List $39.95 **Our Price $23.95**

New Gaming Sensation

Airball-Action/Adventure Game

Is This The Next PacMan? It's Really Catching On..Play And See!

This has to be one of the best combinations of arcade and adventure games ever! An evil wizard has turned you into a slow-leaking ball and set you loose in a maze of 150 rooms. You have to make it through the maze to find the spell book that will turn you back into yourself. Will it be easy? No Way! Remember, you're an Airball and you've got a slow leak. Some of the rooms will have pumps in them so you can reinflate yourself...don't over do it or you'll explode. You'll have to pick up various objects to help you through the maze... such as crosses, cans of beans, a Buddha, crates to stack so you can get over obstacles... lots of things. As if concentrating on that isn't enough, you'll have to watch out for Spikes that'll pop you and killer pads on the floor! It ought to be a cinch for a computer whiz like you...



Airball Construction Set

There's plenty of challenge in the original Airball maze-rooms. But, if you order the construction set, you can re-design the rooms to suit your own fancies or to make an entirely different game.

Airball is the sensation of the season. Order today!

250-621 ST Airball 1 lb.
List 39.95 **Our Price $23.95**
250-622 Airball Const. Set 1 lb.
List 24.95 **Our Price $14.95**

The Rave Of Reviewers...Awesome Power

GFA BASIC...Mainframe ST Language

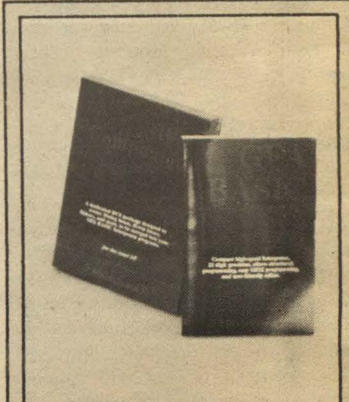
We sold a veritable TON of the GFA BASIC and GFA BASIC compiler with only a tiny mention in our last catalog. Now I know why. This software has been receiving rave reviews from Atari ST publications all over the country. How can it be that much better than any other BASIC? Here's the scoop:

GFA is a well known automation and process control company in West Germany. They develop extremely powerful software for *mainframe* computers. The Atari ST is one of the few personal computers powerful enough to use this software. You can imagine how much more powerful a mainframe version of BASIC is compared to the usual personal computer BASICs. Well, that's GFA BASIC... mainframe power on a personal computer.

Adding even more power to the system is the GFA BASIC Compiler. It actually compiles GFA BASIC programs into machine code that runs *as fast or faster than Pascal and C* Are you listening potential software writers? Here's a way for you to get on the ST band wagon without having to learn C!

If you love BASIC and you love your Atari ST, GFA BASIC and GFA BASIC Compiler are definite MUSTs. Order your's today at great EAB savings!

250-920 ST GFA BASIC 1 lb.
List $79.95 **Our Price $47.95**
250-940 ST GFA BASIC Compiler 1 lb.
List $79.95 **Our Price $47.95**



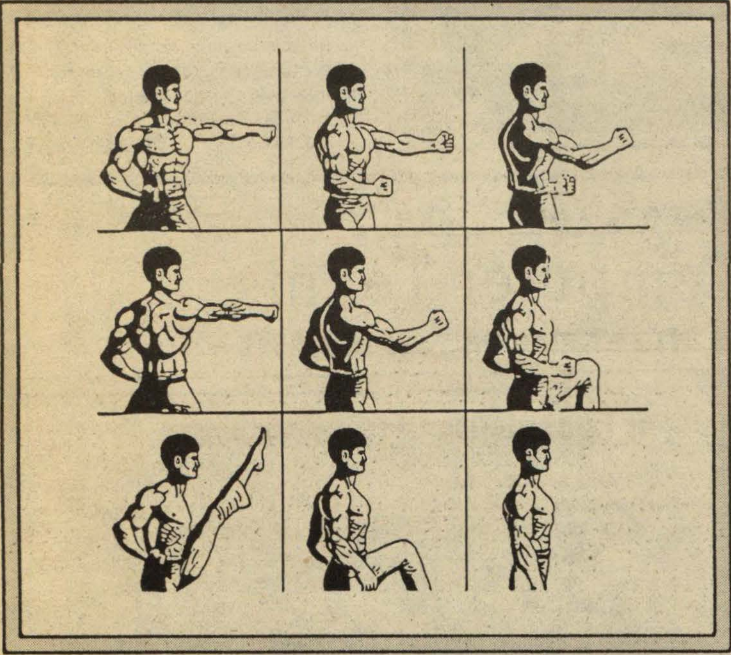
MichTron
-For Atari ST®-

Now Make Them Move!

Animate Your Graphics

This is a remarkable animator that works with graphics-paint type software to create actual moving pictures on your ST screen. Move objects in front of and behind each other with velocities you can pre-set. A Script function allows cutting, fading, and scrolling to different scenes. Utilities for enhancing your pictures are also included. Experience moving graphics!

250-629 ST Make It Move 1 lb.
List 49.95 **Our Price $29.95**



More Michtron Greats...

ST Perfect Match

Here's a neat program for use as either a game or educational tool. The computer places 24 cards face down. Some have answers and some have questions... you have to match the asnwers with the questions. You can choose from 11 ready-to-go question catagories or use the Matchmaker feature to make up your own. Kids like this much better than flashcards!

250-626 ST Perfect Match 1 lb.
List $39.95 **Our Price $23.95**

Jupiter Probe

Your mission is to gain vital information in this new and exciting space game. If you can survive long enough you'll be able to save all of mankind.

250-624 ST Jupiter Probe 1 lb.
List $24.95 **Our Price $14.95**

ST Trivia Challenge

Play trivia on your ST! Contains 4000 questions from bizarre to informative and educational. Betting and limited time to answer add to the challenge! Works on Color or Monochrome.

250-740 ST Trivia Challenge 1 lb.
List 39.95 **Our Price 23.95**

ST Financial Future

You *can* get control of your finances with this complete system! Gives projections of income, investment yield, life expectancy, inflation factors, leasing, Net Worth, IRAs of several types,... even gives printer reports. Everything's so complicated these days. Put ST Financial Future in your corner and accumulate wealth!

250-200 ST Financial Future 1 lb.
List 39.95 **Our Price 23.95**

Introduction to ST LOGO

Includes both ST Logo language and ST Logo Tutorial programs. Easy, progressive learning shows you the true sophistication of LOGO. On disk reference section gets you started fast.

250-100 Introduction to ST LOGO 1 lb.
List 29.95 **Our Price 17.95**

ST Flip Side

More challenging than checkers without the complexity of chess. Object is to trap opponent and flip his pieces to your color. Animated, colorful graphics. One or two players or watch the computer play itself. In play HELP options. Adjustable game speed. Six levels.

250-730 ST Flip Side (color/mono) 1 lb.
List 29.95 **Our Price 17.95**

BBS 2.1 Bulletin Board

Completely re-written to include multitasking, new bulletin language, new download listing, new Sysop section (uses GEM), support for Kermit, and question and answer support. Same system Atari and other manufacturers use for their own BBS!

250-375 Michtron ST BBS Ver 2 1 lb.
List $79.95 **Our Price 47.95**

ST ALT (Key Definer)

Redefine all 36 possible ALT keys to cut down on typing redundant phrases and formulas. Converts whole strings of keystrokes into simple ALT key functions. Works from GEM desktop.

250-600 Michtron ST ALT Utility 1 lb.
List 29.95 **Our Price 17.95**

ST Mi-Term 4.0 Terminal

Almost a total re-write of the original with macro based language giving power and simplicity. Powerful? This is the only GEM based ST terminal program capable of handling up to 4800 baud! Features error-free DFT, Xmodem, and ASCII file transfers.

250-660 ST Mi-Term (ver 4) 1 lb.
List 49.95 **Our Price 29.95**

ST Disk Utilities

Repair damaged disks, restore killed files, modify disk memory, save screens to disk, code and verify individual sectors, format individual tracks, recover data from damaged disks... and more.

250-300 ST Disk Utilities 1 lb.
List 59.95 **Our Price 35.95**

ST Calendar

A complete appointment and reminder system... accessible from your desktop. Keeps track of appointments, special dates... even notifies you with alarms. Installs on work disk.

250-611 ST Calendar 1 lb.
List 29.95 **Our Price 17.95**

ST/HD Backup! Utility

A MUST hard disk utility! Backs up entire HD or only recent changes. Backs up to floppies. Restores files in the event of HD accident. File or Image, hidden or system files. Optional disk segmentation for more than one disk size files. You spent alot on your Hard Disk. Spend a little (so little) more to assure adequate data back-ups.

250-900 ST/HD Backup! Utility 1 lb.
List 39.93 **Our Price 23.95**

A Whole Bunch Of...

Professional STuff (for Programmers)

Utilities That The Programmers of "Cards" and "DOS Shell" Use

There's no disputing that Atari ST programmers know what they're doing. Just look at the wonderful programs in this catalog! And when it comes to time saving programming utilities, you can bet the professionals know which ones are best.

J. Weaver and Timothy Purves have been using some great utilities in their work on programs like Cornerman, Cards, Mighty Mail, DOS Shell and others. They decided to make these utilities available the rest of us and the result is ST STuff. It's a collection of 21 handy programs for managing various functions and applications on your Atari ST. For example, you get utilities that automatically set time and date, change AUTO folder programs, autoboot, selectively delete, display header info, etc. You can do custom configurations of your keyboard, and give options you normally don't have when handling files.

It's hard to fit it all in this small space. But, suffice it to say that if Weaver and Purves think these are good utilities, they truely must be. Order ST STuff!

250-625 ST STuff 1 lb.
List 39.95 **Our Price $23.95**

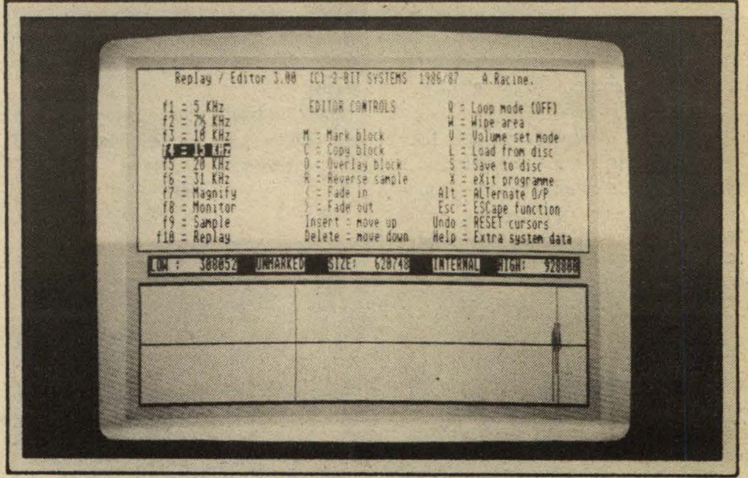
New Hard-Software Combo

Capture TV, VCR and Hi-Fi Sounds

Edit, Modify, or Combine Them and Put Them Into Your Programs!

"Go Ahead Punk, Make My Day". Imagine the look on your kid's face when your Atari ST speaks *that* line to him... in Clint Eastwood's voice! You can capture and use all kinds of TV, VCR, and Hi-Fi sounds and incorporate them into your machine language, C, Atari and GFA BASIC programs.

ST-Replay consists of a cartridge and software. The cartridge is the input-capture device. Once a sound is captured, you don't need the cartridge anymore. The software allows you to save and load sound samples on disk, view waveforms, clean out scratches and unwanted sounds, change the playback speed, cut and paste, reverse, append, and overlay. ST-ECHO is included for dramatic enhancements to your captured sounds. Also compatible with ST DigiDrum.



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   Replay / Editor 3.00  (C) 2-BIT SYSTEMS  1986/87    A.Racine.

 f1 = 5 KHz              EDITOR CONTROLS           Q = Loop mode (OFF)
 f2 = 7½ KHz                                       W = Wipe area
 f3 = 10 KHz           M = Mark block              V = Volume set mode
 f4 = 15 KHz           C = Copy block              L = Load from disc
 f5 = 20 KHz           O = Overlay block           S = Save to disc
 f6 = 31 KHz           R = Reverse sample          X = eXit programme
 f7 = Magnify          < = Fade in               Alt = ALTernate O/P
 f8 = Monitor          > = Fade out              Esc = ESCape function
 f9 = Sample      Insert = move up              Undo = RESET cursors
f10 = Replay      Delete = move down            Help = Extra system data

LOW :   308052  UNMARKED  SIZE:  620748  INTERNAL  HIGH:  928800
```

Order ST-Replay and start putting real-life sounds into your programs.

250-623 ST Replay 1 lb.
List $159.95 **Our Price $95.97**

Time Bandit

The Top ST game on CSS's hot list. Battle the evil guardians and escape with the valuable artifacts. 16 levels of play in 16 different settings. Over 3,000 screens of graphics! (Color Only)

250-720 ST Time Bandit 1 lb.
List 39.95 **Our Price 23.95**

ST GFA Draft (CAD)

Efficient, 2D CAD creates circuits, true *scaled* drawings, and detailed plans. GEM based, w/255 drawing layers (use up to 10 at once), prints or plots in colors or densities, allows definable "symbols", two styles of variable sized/directioned text. Allows measuring, enlarging, reducing, rotating and more. The ST CAD program you've been waiting for! Color or Monochrome.

250-925 ST GFA Draft (CAD) 1 lb.
List 99.95 **Our Price 59.95**

ST Mission Mouse

The Owl and the Pussycat have kidnapped all of the mice. It's your job to rescue and save the mice.(MonoOnly)

250-381 ST Mission Mouse 1 lb.
List $19.95 **Our Price 11.95**

ST Easy Record Utility

Handles file operations for C programmers. Sorts, maintains, updates, creates, clones, deletes, inserts, and more. Works with popular C compilers.

250-605 ST Easy Record Utility 1 lb.
List 79.95 **Our Price 47.95**

ST Major Motion

Free the land from the Draconian League! Fight deadly foes without hurting innocent civilians. Use special weapons, drive a variety of road conditions, glide down treachurous rivers. Detailed graphics and thrilling music!(Color)

250-507 ST Major Motion 1 lb.
List 39.95 **Our Price 23.95**

ST Super Conductor

An advanced program for amateur and professional musicians. Use ST Super Conductor to record, edit, and play back music through your Atari ST or MIDI synthesizer.

250-931 ST Super Conductor 1 lb.
List $79.95 **Our Price 47.95**

ST DOS Shell

Gives MS-DOS style command format to your Atari ST. Makes handling many programs and files easier. Runs much faster than GEM, gives versatile access. Includes Batch file capability, DIR, Path, Tree, TYPE, and many more MS-DOS style commands.

250-910 ST DOS Shell 1 lb.
List 39.95 **Our Price 23.95**

ST GFA Vector

An extension of GFA BASIC which allows you to create 3-D graphics. Once you define an object, it can then be enlarged, reduced, or animated by any GFA BASIC program.

250-926 ST GFA Vector 1 lb.
List $49.95 **Our Price 29.95**

ST Mighty Mail

Assemble, maintain, sort mailing lists. Simple set up, easy input screen, prints custom laid out labels, full sized reports. Up to 16 different flags (record codes) allowed. SSDD floppy holds up to 1400 records, HD up to 65,000. Written with C and *Easy Record* for fast execution and organized file maintenance.

250-800 ST Mighty Mail
List 49.95 **Our Price 29.95**

ST Lands of Havoc

Over 2000 screens! Arcade styled adventure game. Object is to free the land from havoc's reign.(Color Only)

250-505 ST Lands of Havoc 1 lb.
List 19.95 **Our Price 11.95**

ST Mudpies

Lead Arnold through a maze of tents while flinging mudpies at angry clowns. Can Arnold get away to foil the clowns act again?(Color Only)

250-382 ST Mudpies 1 lb.
List $19.95 **Our Price 11.95**

ST D.F.T. Utility

Gives file transfer compatibility between IBM PC and Atari ST. Includes directions for null modem cable. Handles text or program files... all controled through ST keyboard.

250-380 ST DFT Utility 1 lb.
List 49.95 **Our Price 29.95**

ST R.A.I.D. Debugger

New debugging system including mini-assembler and disassembler, full screen editing, symbolic definitions display for viewing complex M.L. and C programs. Other features: Tracer, COPY, FILL, MOVE, Resettable Break Points, two screen displays isolate programming from debugging. Color or Mono.

250-930 ST RAID Debugger 1 lb.
List 39.95 **Our Price 23.95**

ST M-Disk RAM/Spooler

Set up a RAM disk and a print spooler with your extra RAM. Fastest disk possible and no more delays waiting for printouts. Especially handy with our Solderless™ RAM!

250-400 ST M-Disk RAM/Spooler 1 lb.
List 39.95 **Our Price 23.95**

ST TRIMbase (database)

A relational ST database. Allows cross file interactions including exchange of data with other ST applications software. Custom reports from business or personal files. New this year!

250-810 ST TRIMbase 1 lb.
List 99.95 **Our Price 59.95**

Sometimes We Mess Up...

What Happened To The Video Box?

For A Great Idea That Got Advertised Too Soon... Our Apologies

by Eben Brown

Early in the Summer we started running ads for a device that allows all three resolutions on either ST monitor, gives composite from even 1040 computers and serves as a switch for two monitor systems. John Bylander, the inventor, had the circuit finished and his prototype working when he gave us the go-ahead to advertise.

Unfortunately the ads were already committed when an endurance test proved the Video Box would burn itself out after 4-5 days of continuous use. Solving the problem has proven to be quite a bit more difficult than originally thought, and at this point, we've refunded orders and are not taking any new orders until it's ready.

I give this explanation because I know how bad it looks to advertise something you don't have. We thought we had this product and well, once the mistake was made there was nothing to do but deal with it the best we could. We'll just have to be more careful next time.

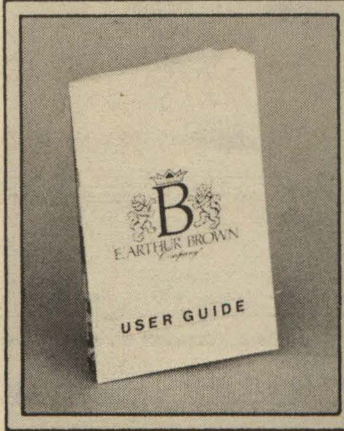
PC-Emulation

-For The Atari ST®-

The Truth Revealed

ST 5.25 Drive And Emulation Manual

One Book That Ties It All Together...



by Eben Brown

First I wrestled with putting together a working 5.25" disk drive system. Then, I wrestled with making a copy of MS/PC-DOS in 3.5 inch format. Then, I wrestled with making it work from a hard drive. Does setting up for PC emulation have to be such a wrestling match? Are the documentation for disk drives, DOS, and Emulator that bad? Not at all! The problem is just that they are all separate things with separate instructions. Somebody ought to write an instruction manual that ties them all together... *Somebody has!*

Our new *ST 5.25 Drive And Emulation Manual* takes you step by step through the process of setting up 5.25" disk drives. What the considerations are and what software is needed. Then it proceeds to show you how to buy and assemble a disk drive, power supply, case, and cable. From there, it goes on to tell you the rudimentary basics of MS and PC-DOS... basics that you really need to get PC-Ditto up and running smoothly. Finally, the manual takes you through a step by step set-up for using PC-Ditto from 3.5", 5.25", and hard drives.

We include this manual with every order for PC-Ditto, our ST/PC Drive Cable, our assembled 5.25" drive and our 5.25" drive kit. However, we also make it available separately for those who'd like to understand the PC emulation system before investing.

127-401 Drive/Emulator Manual 1 lb. $6.95

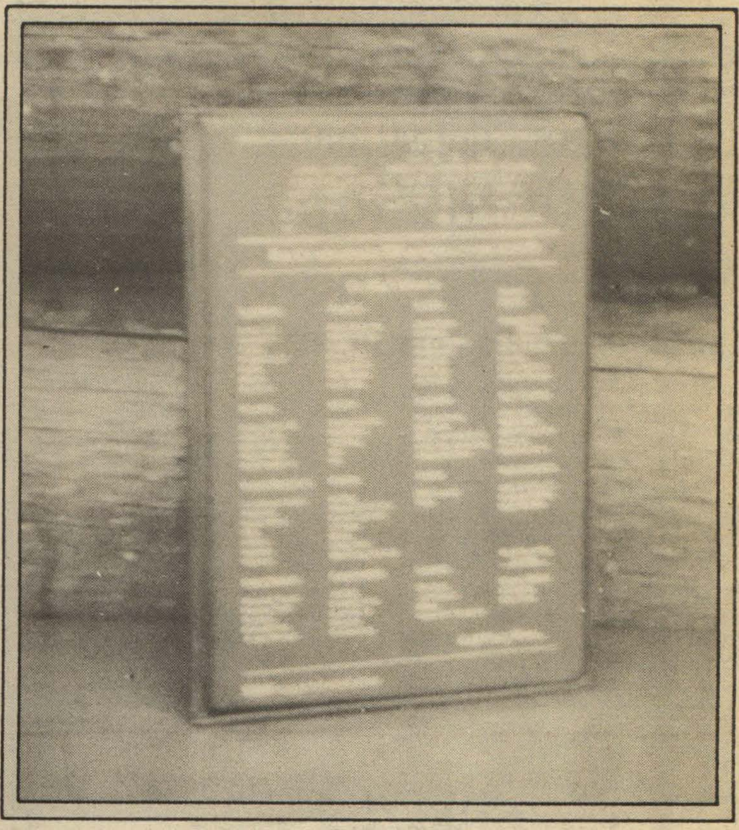
At Last...A True PC Emulator

Run IBM PC Software On Atari ST!

It Really Works! I Use It Myself... Like Owning Two Computers In One

Design
Excellence
Award

Bill Teal



For Color ST Systems...
Call For Availability Of Monochrome Version

by Eben Brown

At last a real, practical PC Emulator is available for the Atari ST. It's called *PC-Ditto* and it works entirely from software. Load and run it in your Atari ST and you open up a whole new world of software possibilities.

I found it useful for mailing list management. Being the publisher of the PC-Compatible *FINDEX*™ fieldless database, I always use *FINDEX*™ for my mailing lists. Unfortunately, when someone else is using the PC, I can't use *FINDEX*™. Well, now I can. I just run it on one of our Atari STs! I'm still amazed but have to admit it works perfectly!

Do you have a PC at work or school and an ST at home? Now your ST can be compatible. Is there a PC program you wish they made for the Atari ST? Now your Atari ST can run it! Would you like to have two computers in one? *PC-Ditto* is the ticket!

The list of compatible PC software is too large to fit in this catalog... with more being tested and approved every-day. If you have a particular program you want to run, call and we'll check the list for compatibility. Or, send an SASE for a copy of the list. Now here are some particulars:

PC-Ditto runs on both 520 and 1040 Atari ST computers. It supports up to 703K of usable memory depending on how much RAM you have. Not being copy-protected, you can make back-up copies or install it on your hard drive (it'll even boot from the hard drive if you like). PC-Ditto emulates the monochrome or color graphics adaptors (PC Standards) and operates the serial and parallel ports as if they were PC ports. Special software allows PC-Ditto to support 3.5 inch disks in 40 or high capacity 80 track format as well as 5.25 inch 40 track formats (PC Standard).

You'll need a PC/MS-DOS disk just like any other compatible. A good one can be purchased directly from us (see elsewhere on this page). A 5.25 inch drive isn't necessary... but it is highly recommended.

Order PC-Ditto from E. Arthur Brown Company and you'll receive a free copy of our *ST 5.25 Drive and Emulation Manual* (a $6.95 value). The publisher of PC-Ditto has asked us not to print a discount price. We have an excellent price, however. Call or write for a quote. Whatever you do, don't put off getting PC-Ditto for even a moment. Here's your chance to double your computing power. Order today!

120-200	PC-Ditto Emulator 1 lb.
List $89.95	**Our Price...$CALL**

For PC Emulation
Or An Alternative Drive System

ST/PC Floppy Cable

Incl. Operating System Software

Design
Excellence
Award

John Bylander

Kurt Casby

Paul Franson

Review by Eben Brown

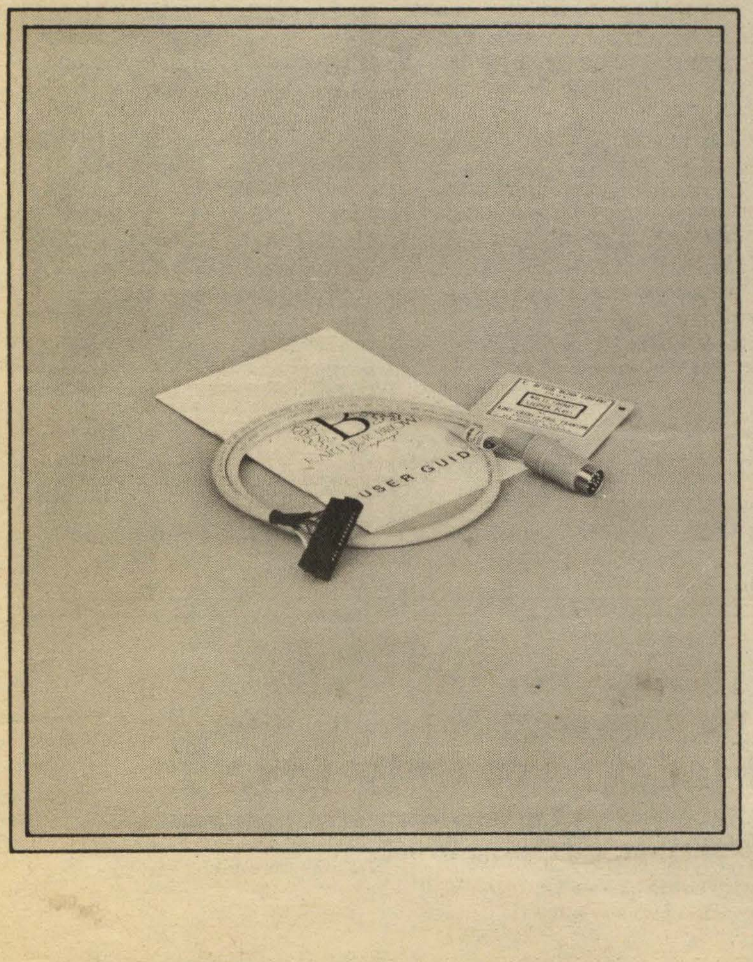
If you want to run PC-Ditto with your ST, you just about HAVE to have a 5.25 inch drive. Almost all PC software is in 5.25" format and it's cheaper to get it that way. On the other hand, you might just want to put together a second drive for an interesting project.

Our ST/PC Drive Cable makes hooking up to a 5.25" drive a cinch. Plug one end into the OUT port on your existing 3.5 inch ST drive. Plug the other end onto the standard 34 pin edge connector of a PC-5.25" drive. Load our special 5.25" drive operating system software and Voila! You've got a 5.25" floppy drive working with your Atari ST.

Which drives will it work on? Since the Atari ST transfers data so fast, we recommend a good quality double density drive that runs at 6 msec or faster. Something on a par with the TEAC 55BV 40 Track unit.

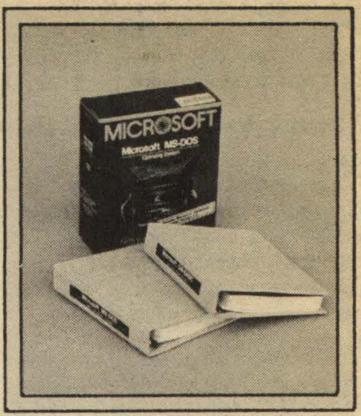
Each ST/PC Floppy Cable comes with our 5.25" operating system/formatting software and a free copy of the *ST 5.25 Drive and Emulation Manual.* Order Your's today!

127-403 ST/PC Floppy Cable 1 lb. $39.95



Get Your PC-Ditto Off On The Right Foot!

Genuine Microsoft PC-Ditto DOS



PC-Ditto is the emulator but DOS is the operating system that allows your ST to run PC-compatible programs. You can't use PC-Ditto without PC/MS-DOS and you can't use DOS without PC-Ditto. So, if you don't already own a copy of DOS, you're going to need to get one.

PC-Ditto is compatible with Compaq and Eagle DOS as well as IBM DOS versions 1.1, 2.0, 2.1, 3.0, 3.1, 3.21, and 3.3. Other PC-Compatible DOS versions may or may not work depending on whether or not they're part hardware. DOS and BASIC that rely on some ROM calls won't work.

We've found a source for a compatible genuine MS-DOS 3.2/GWBASIC and are making it available here. This is the best MS-DOS to get... it's safe for ST hard disk systems. We see no point in supplying this without full documentation. You'll need the full docs sooner or later anyway and will have to pay about $100 for them. Instead, we give you the complete 3 ring bound, inch thick genuine Microsoft manuals along with the MS-DOS/GWBASIC disk in one low package price. Save by ordering the whole thing at once.

126-400 Ditto DOS (5.25") 1 lb.	139.95
126-401 Ditto DOS (3.5") 1 lb.	149.95

We Have A System To Fit Your Pocketbook

ST 5.25" Drives:
Cables, Kits, & Complete Assemblies

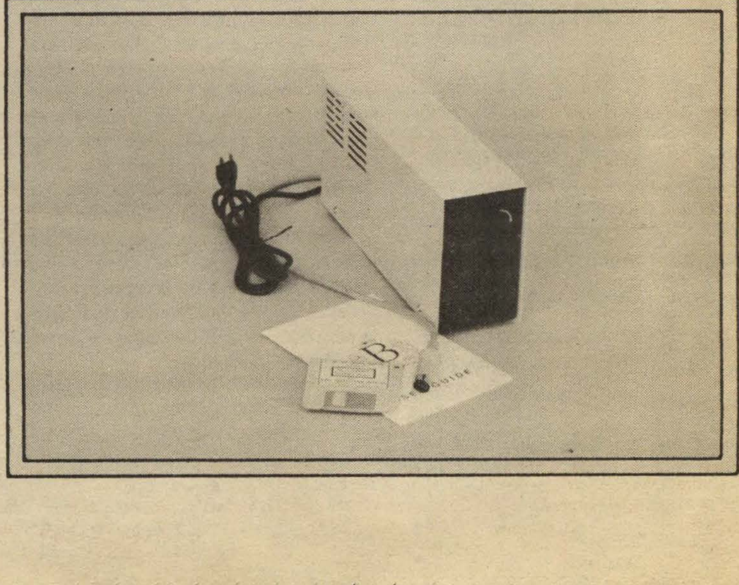
Setting up a 5.25" drive with your ST is simple and can be as economical as you like. Order just our ST/PC Floppy Cable and operating system. Then scrounge up a surplus 6 msec double density drive, case and power supply to save a bundle. You take a chance of getting stuff that may not work this way. But, if you get it cheap enough you can afford a mistake.

If you'd rather get a brand new drive you know will work, we offer two packages. Our ST 5.25 Drive Kit includes a brand new TEAC 55BV 40 Track Drive, a brand new 150 Watt Power Supply and Case, our ST/PC Floppy Cable and Special Operating System Software, and a free copy of our *ST 5.25 Drive and Emulation Manual.* Assembly is pretty simple: Mount the drive in the case with screws. Plug the power supply into the drive. Plug the ST/PC Floppy Cable into the Drive. Attach the case with screws... and it's done.

If you'd rather not be bothered with assembling the kit, we'll do it for you. Our assembled and tested 5.25" drive is made from the same brand new components and includes a copy of the *ST 5.25 Drive and Emulation Manual.* Just plug this drive into the OUT port on your ST disk drive and you're ready to go.

Realize the full potential of your PC-Ditto with the addition of a real, top quality 5.25" floppy drive system. Order your's today.

127-403 ST/PC Floppy Cable 1 lb.	$39.95
127-404 ST 5.25 Drive Kit 5 lb.	$219.95
(Incl. Everything. Assemble it, Plug it in and GO!)	
127-405 ST 5.25 Assembld.Drive 5 lb.	$239.95
(Assembled and Tested... Plug it in and GO!)	



IBM® PC

And Compatibles...

True Hayes Compatibility

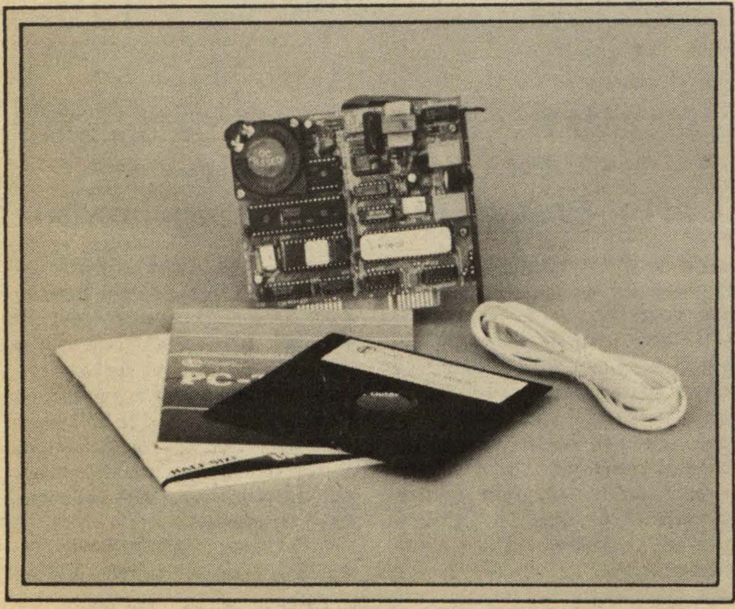
PC 1200HC Super Modem Package...$99.95

Complete w/Cable and PC-Talk Software

Our new PC-1200 Super Modem Package is just what you've been waiting for. It's half card size installs inside any PC-Compatible with expansion slots. So, it doesn't take up any desk space! Access ports are on the back of your computer. Plug one end of the cable into the port on the back of your computer and the other end to your phone jack. If you still want the phone connected, plug it into the other port on the back of your computer. You're ready to go!

The PC-1200 Super Modem offers true Hayes compatibility right down to the Rockwell chips used in it's construction. It runs at 300 or 1200 baud. And, we even include PC-Talk III terminal software. Complete instruction booklets are included for both the modem and the software. *Everything* is included! Don't settle for less. Order the PC-1200 Super Modem Package today!

412-400 PC-1200 Super Modem Pkg. $99.95



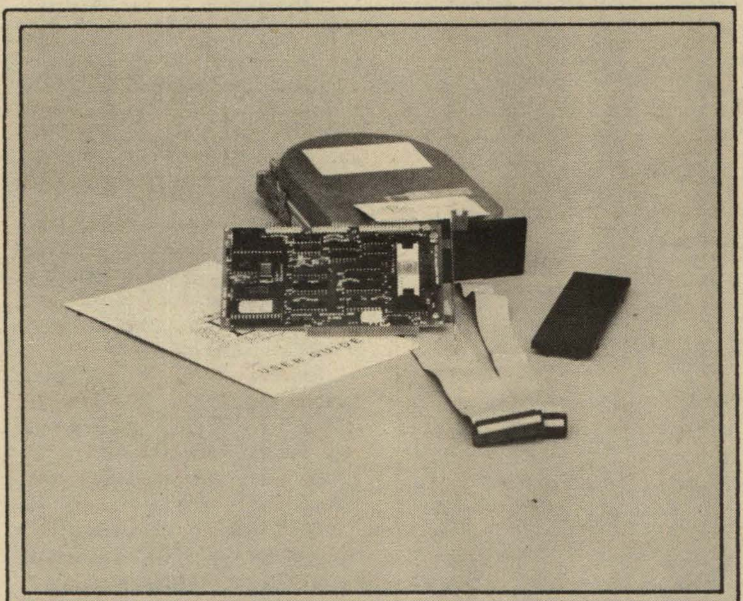
Install Your Own... It's Easy!

PC 21 Meg Hard Drive... $299.95

Complete: Just Read The Instruction Booklet and Install It.

by Eben Brown

Experience the thrill of super fast, super capacity data access at an unbelievable price! Add the pride and learning experience of installing it yourself and you know what our PC 21 Meg Hard Drive Kit is all about.



The kit comes with everything you need: A half height 21 Meg hard disk, cables, controller board, and complete instruction booklet. As with all PC compatible products, the dimensions and screw holes are standard. So, just slip our hard drive into one of your floppy slots, screw in the screws, insert the special "short card" controller board (fits even small cased PC Compatibles) and plug in the cables. Perform our step by step initialization and formatting procedures and you're done! You've installed your very own hard drive!

Our instructions include diagrams and straightforward commands, However, if you have any trouble we're only a phone call away... we'll get you up and running! At $299.95, you just can't pass up this opportunity to own a hard drive. Order your's today.

129-200 PC 21 Meg HD Kit 5 lb. $299.95
(Short Card Controller-Fits All PC Compatibles)
129-200 PC 21 Meg HD Kit(Tandy)5 lb.$309.95
(Note: Tandy 1000SX Requires Special Controller)

New... Elegant Acrylic & Steel Construction

Easyl™ II Suspending Work Holder

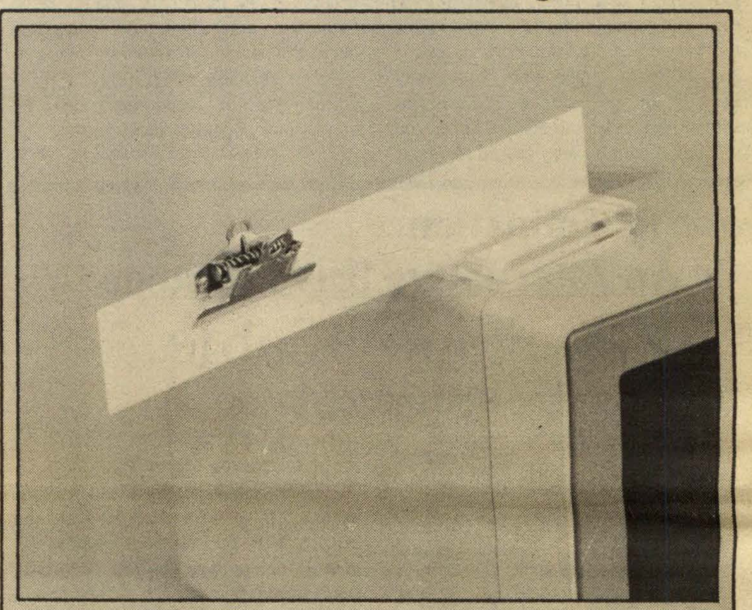
Holds Work At Eye Level... Takes No Desk Space... Built Tough!

Review by Eben Brown

Our Easyl™ II work holder is so simple, you'll wonder why no one thought of it before. Attach it to the top of your computer monitor with it's quick release Velcro™ fastener (included). Then clip your dictation, outlines, newspaper clippings, paperback book or magazine articles to it. Clip anything to it that you're copying from or refering to. Easyl™ II holds your work right next to your monitor for easy-on-the-eyes viewing.

Got a messy desk? Don't worry! Easyl II suspends your work from above and takes absolutely no deskt space! It holds strong, too. We hung a 1 lb. paperback book from it with no problem.

For this catalog we've improved the original Easyl™ even beyond the excellent construction it already had. Easyl™ II is made of high density acrylic. This is superior to the original polyethylene construction. It's stiffer and won't sag when something heavy is attached to it. High density acrylic also has a hard gloss surface. The total effect of the clear mounting base and high gloss clip arm is really stunning!



Remember, no cheap plastic clip goes on the Easyl™. You get a genuine rivet attached Kaufman Bros. steel clip and generously wide stips of Velcro™ hook and loop tape.

Order your Easyl™ II today!

127-406 Easyl II Work Holder 1 lb. $9.95

The DataBase Everyone Loves!

Registered Users Applaud Findex!

They Like It Better Than The Big Name Brands!

Review by Eben Brown

If you have a mailing list, address book, inventory, personnel or other file, Findex™ is nothing short of *The Best* software to computerize with. Take a look at what a couple of our first customers had to say about it:

> *"I use Findex primarily for a mailing list of 2300 names and addresses which only uses about a third of my (floppy) disk space. A vendor told me I'd need a hard disk to handle that many addresses on another system...."*
>
> -Charles Stelding, Minister, Tyler, TX

> *"...I have at my disposal Dbase III and Smart but only use Findex. This software is so easy to use and versatile I have no need for anything else. Setting up your files and the Search function are fantastic. In my insurance business I use a great many statistics and with the Findex TOTAL function it gives me everything I need in a hurry. This program is so user friendly I can have my help doing the work within minutes of instruction."*
>
> -R.W., Girard, OH

> *"Findex is able to store the same amount of information in half the space of Dbase III+. Searches are quicker and more flexible because Findex has no need for indexed fields."*
>
> -Al Harberg, DP Directory Mailing Lists
> Glastonbury, CT

> *"Although I have used dBase III and other 'sophisticated' data bases, I've found Findex to be much more versatile, user friendly, & much easier to learn. I use Findex for everything from a daily planner to a recipe file. I never have to worry about trying to foresee what kinds of fields I might one day want to use to look up information... I can look up info under ANYTHING!"*
>
> -C. Matthew Bormuth, Student, Laramie, WY

What makes Findex so appealing is the memory savings, speed, and convenience of it's fieldless format. Fields waste space by being preformatted. Findex uses no more space than your actual data takes up. This allows up to 5,000 records on a floppy and 500,000 on a 20 meg hard disk. Your records are accessed in RAM. This makes for search times of only 2-4 seconds! And you're not limited to field based searches. Look for any occurrence of any text. Spit out all records from Philadelphia. Delete all records from Canada. Tally the number of records that contain a certain key phrase... like "class 3 customer".

Memory savings and speed aren't the only reasons for buying Findex. It's so easy to use, you'll be up and running... doing powerful stuff... in no time. Merging two databases is as easy as printing mailing labels. Mail merging form letters and reports is so straightforward you'll actually be *sending* form letters... instead of just knowing your software can do it.

The latest Findex version has Nth Name Select and data entry forms. Registered users may request this upgrade free of charge!

Findex is "Shareware". You can either get a copy from a friend or order the latest version on shareware disk with an abreviated instruction booklet for only $16. Full registration has it's benefits, however. When you purchase a registered copy of Findex you receive the latest version disk, a complete instruction manual, free telephone support for a year, free 1 year subscription to Findex newsletter, two free update disks, a $25 commission from registered sales resulting from the distribution of your disk, and a free copy of PC-Write word processing!

Get in on the data management software that's tipping the industry on it's ear. Order Findex today!

298-610 Findex™ Shareware Disk 1 lb. $16.00
298-615 Registered Findex™ 1 lb. $89.95

Design
Excellence
Award
Thomas B. Woods

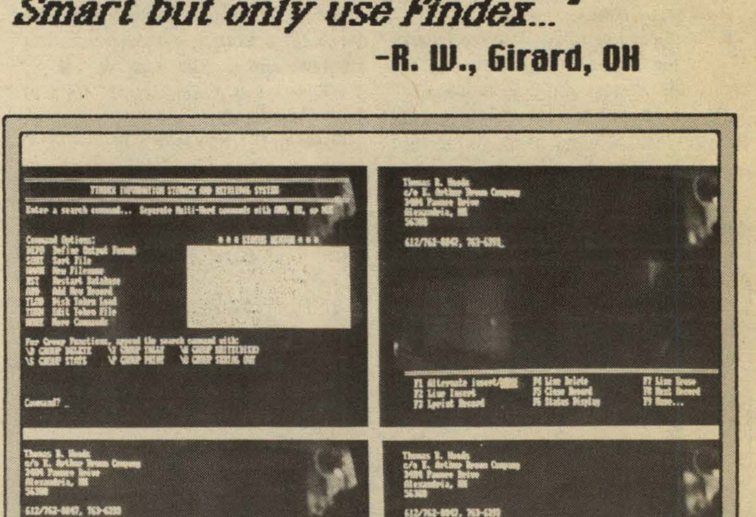
Findex™

Perfect For:

Mailing Lists
Inventory Control
Personnel Records
Dating Services
Stamp/Coin Collections
Bibliographies
Rosters
Literature Refereneces
Employment Agencies
Ready References
Cross References
Resource Matching
Church Records
Newspaper Subscriptions
Mail Order Business
...And More!

"...I have at my disposal DbaseIII and Smart but only use Findex..."

-R. W., Girard, OH



Try Findex™ For Only $16

Includes Latest Program Disk And Abbrev. Instruction Booklet

Register Findex™ For Only $89.95

Incl. Complete Manual, 1 Yr. Tel. Support, 1 Year Newsletter, 2 Free Update disks, $25 Commissions, and Free PC-Write™

ATARI ST

Upgraded For More Power And Utility

New! Mouse-Ball™ II

Now With Extra Port For Simultaneous Mouse/Mouseball Use.

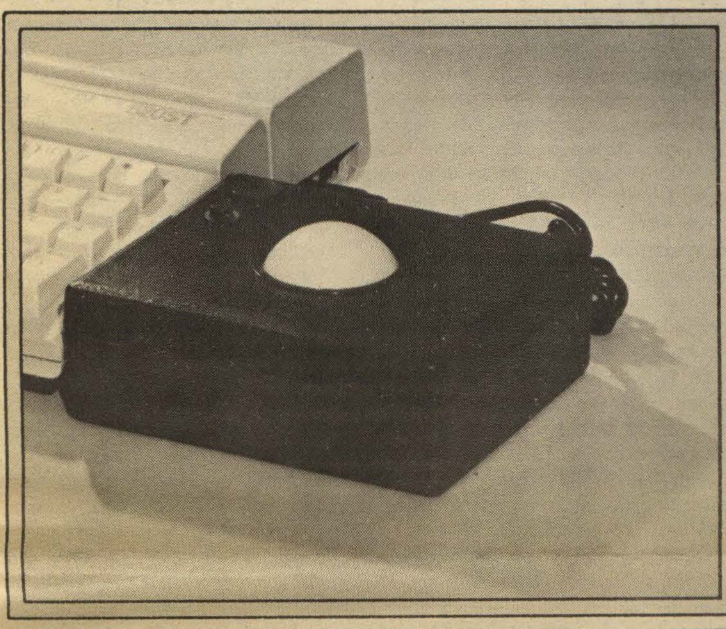
Review by Eben Brown

Our ST Mouse Ball™ input device has hundreds of happy customers who use it with only one hand. And now, we've added an extra port to allow you to plug your regular mouse into it for even more flexibility. It's called Mouse Ball™ II and the idea is to use your mouse buttons with one hand and your Mouse Ball with the other. Whether you chose to use Mouse Ball II with one hand, or plug your regular mouse into it for two hand use, the advantages are still the same: Instead of sliding the ST mouse around, you just roll the Mouse Ball! The ball rolls within it's holder and sensors pick up every movement. Roll it up, down, sideways, or diagonally and your cursor or game character moves in those directions on your screen.

Our Mouse Ball II sits right on the desk next to your keyboard. It has two buttons like your mouse, but it doesn't require moving space like your mouse.

Use your new Mouse Ball II with any Atari ST program or game. It's built to industrial standards to last and last. Order your's today!

340-400 ST Mouse Ball II 3 lb. $39.95



Your Monochrome System Is Colorable

Connect Your ST To Composite Monitors

Gives Complete Audio & Video Compatibility

Our ST Composite Video Cable lets you connect your 520ST to standard color or monochrome monitors. It works in medium and low resolution mode to give you an inexpensive alternative viewing method. Just plug it into your standard 520ST monitor port. Then connect the standard RCA-type connectors to composite video and audio ports on any standard composite monitor. Viola! You now have an alternative! Those of you with monochrome systems will like this cable for color games and graphics! (Note: This cable Works on RF Equipped 520STs).

127-400 ST Composite Cable 1 lb. $14.95

Stuff We Ran Out Of Room To Put In The Catalog

ST/PC Floppy Software (Incl. Stepper Setter And True MS-DOS Formatting)	$16.95
5.25" DSDD Floppy Disks (10 Pack)	$4.95
3.5" SSDD No Label Sony Disks (10 Pack)	$12.95
3.5" DSDD No Label Sony Disks (10 Pack(	$14.95
5.25" Disk Banks (Spring Loc-Holds 60)	$9.95
3.5" Disk Banks (Spring Loc-Holds 30)	$9.95
Plug Type Surge Suppressor	$5.95
ST/PC Centronic Printer Cable	$12.95
Centronic Printer Extension Cable	$14.95
Sinclair B/W Pocket TV (As Is)	$39.95
Tru-Check (World's Best) Rain Gauge	$6.95
Flying Mechanical Bird	$6.95
2 Piece Rubber and Steel Printer Stand	$9.95

For the 520... And Now 520STFM and 1040ST!

New Solderless™ RAM II and RAM24

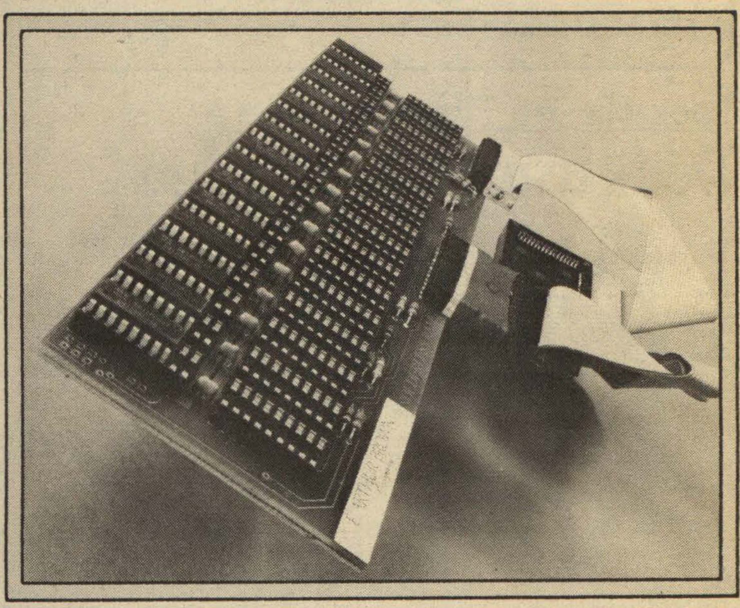
The Easy Upgradeable Upgrade Is Now For The Rest Of You!

Design
Excellence
Award

Thomas Bent

Jerry Chamkis

Til Chamkis



New...Even Easier...Installation Method Includes Free RAM Disk/Spooler Software

Review by Eben Brown

The introduction of our 1-4 meg ST Solderless™ RAM both shocked and amazed the Atari ST world last year. So much upgradeability in a truly solderless, safe-to-install package... demand continues to outstrip production!

With a year's experience in customer needs and wants, we're pleased to announce two new additions to the ST Solderless™ RAM family: The ST Solderless™ RAM II, and the ST Solderless™ RAM24.

ST Solderless™ RAM II

This is our original 1-4 meg upgradeable upgrade for external floppy 520ST computers... with an even easier installation method. No tricky soldering, trace cutting, chip piggy-backing, or complicated wiring. Open your computer case, remove your MMU chip, plug it into our MMU Adaptor Board and plug our Adaptor Board into your MMU socket. The adaptor board is the safest way to connect to your MMU socket... using the part of the socket intended for such connections. Next, remove your shifter chip, plug it into our new Shifter Adaptor Board, and plug the adaptor board into the shifter socket. Replace the case, boot our RAM test software, and you'll be looking at 1 megabyte of RAM!

1-4 Megabyte Upgradeable

You aren't stuck with 1 megabyte now and you won't have to buy another board in the future. The ST Solderless™ RAM II has 32 sockets for more memory when you need it. When the original 1 megabyte isn't enough, upgrade to 2.5 megabytes by adding sixteen 1 meg RAM chips. When that's not enough, upgrade to 4 megabytes by replacing the 256K chips with 1 meg RAM chips.

ST Solderless™ RAM24

This is a totally new Solderless™ RAM upgrade designed for the 520ST-FM and 1040ST computers. Installation is simple: Open the computer case, remove the MMU chip, plug it into the RAM board, and plug the RAM board into the MMU socket. Next remove the shifter chip, plug it into our shifter adaptor board, and plug the adaptor board into the shifter socket. Put the case back on the computer and you're done! The ST Solderless™ RAM24 is socketed to work with either 16 or 32 one meg chips... giving 1040s and 520FMs either 2 or 4 megabytes of total RAM. The boards are sold empty of chips... which can be purchased either directly from EABCO or from other sources.

Photo-Illustrated Instructions

Our 16 page instruction manual guides you step by step through the installation process with diagrams and photographs. Everything is explained but if you have a problem, we're only a phone call away.

Quality Design/Construction

The ST Solderless™ RAM series is designed for us by Thomas Bent and those wizards at AERCO: Jerry and Til Chamkis. These guys are such talented perfectionists. Fully socketed and with custom connectors, it's not uncommon for a customer or dealer/technician to call and compliment the fine detail and finish of these excellent boards.

Full Year Warranty

You're completely covered against defects in parts and labor... we'll replace or repair any part or parts of your ST Solderless™ RAM which are demonstrated to be defective within one year from your date of purchase.

Laser Printers, RAM Disks, Etc.

The future of ST computing holds alot for those with *upgradeable* memory. The price of laser printers will soon be within everyone's reach. You'll need megabytes of memory to fully utilize this technology. High Resolution Graphics are also very memory consuming. And don't forget the speed and convenience of RAM disks! The ST Solderless™ RAM series is upgradeable to 4 megabytes... by just adding more chips. That's enough to handle laser printers, graphics, and RAM disks all at once!

Satisfaction Guaranteed

Install the ST Solderless™ RAM in your Atari ST and use it for 10 days**. If you're not completely satisfied, you're welcome to return it for a complete refund of the purchase price. We're *that* confident you'll like it!

ST Solderless™ RAM...the one and only user-upgradeable upgrade. Order one today for your 520 or 1040.

330-400 ST Solderless™ RAM II 3 lb. 199.95
(Basic Board Upgrades 520ST to 1 megabyte)
330-402 Empty Sldrls™ RAM II 2 lb. $169.95
(Completely Socketed Board, No RAM Chips)
330-405 ST Solderless™ RAM24 3 lb. $199.95
(Board Only. Fits 520STFM and 1040ST Only. Needs 16 or 32 one Meg RAM Chips for 2 or 4 meg total memory)

**Please read 10 Day Trial Conditions in the Ordering Information Section-inside front cover.

2, 2.5 And 4 Meg Costs

The cost of upgrading your Solderless™ RAM depends directly on 1 Meg RAM chip prices. We've seen them as low as $16 and as high as $35. Please call for a current price.

Easy, Solderless, Plug-In Installation

ST Invisible™ Clock Setter Plus*

Auto Sets ST Clock On Boot-Up. *Incl. RAM Disk/Spooler, Alarms, More!

Design
Excellence
Award

Dan Freeman

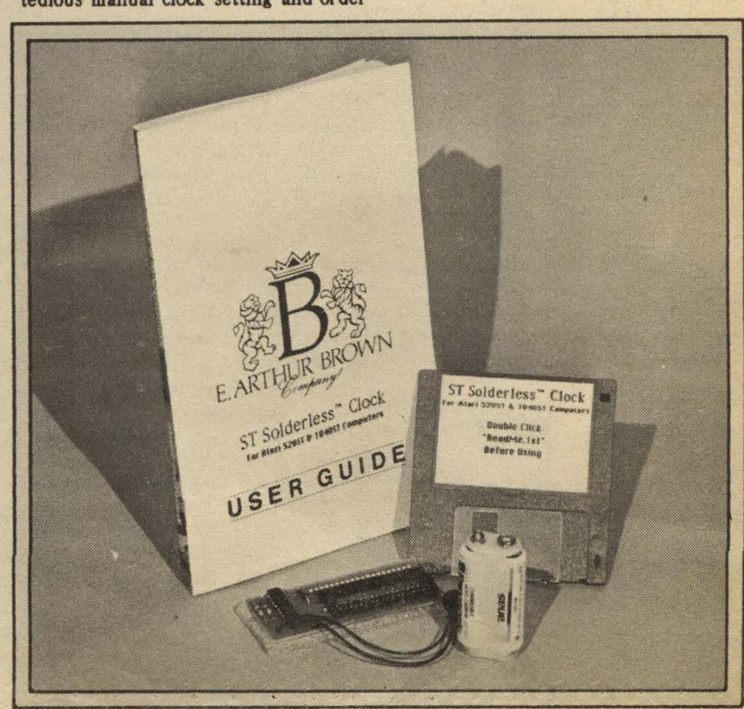
With our all new internal ST Invisible™ Clock, you'll never have to set your ST time again! Easily mounted on the underside of your keyboard, the ST Invisible™ Clock maintains the current time and date with it's own self charging lithium battery. You save an automatic "look up" program to your boot disk and from then on, your ST automatically sets it's own time and date everytime you turn it on!

Bonus Software

To "sweeten the deal" a bit on the ST Invisible™ Clock, we've included several utilities. Among them are a corner clock display, the ability to set up to 5 alarms at various times, a quick time and date setter, a print buffer, and a ram disk! How much would you pay for all of this separately? Too much!

Our ST Invisible™ Clock is compatible with 520s and 1040s as well as with our ST Solderless™ RAM. Quit that tedious manual clock setting and order your ST Invisible™ Clock today!

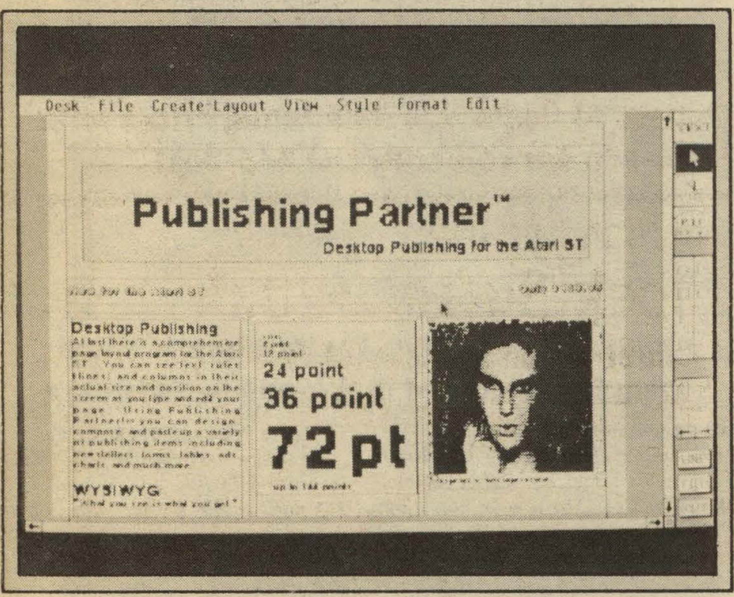
251-400 ST Invisible™ Clock 1 lb. $34.95



Desktop Publishing
-For Atari ST®-

Look Ma, No Typesetter

Desktop Publishing For The Atari ST


Desk File Create Layout View Style Format Edit
Publishing Partner™
Desktop Publishing for the Atari ST
Desktop Publishing
24 point
36 point
72 pt
WYSIWYG

Design
Excellence
Award

Shawn Fogle

Deron Kazmaier

Review by Eben Brown

You can actually set type in numerous point sizes and styles, move it around and lay it out on your Atari ST screen, import DEGAS format pictures from clip art or ST PictaScan, and print out your work in near-phototypeset quality.

Publishing Partner is the desktop publishing package that has taken the Atari ST world by a storm. Offering features previously only available to IBM PC and Macintosh owners, it has literally tossed the desktop publishing industry on it's ear. Let me take you thru a quick tour:

With your mouse and pointer, you click and drag to make boxes in the size and shape you want your text columns and pictures to be. Then, you either import text or type it in like word processing. The pictures you import from disk files. You can select from tiny to big sized type with numerous special effects... adjusting line and character spacing, right, left, center justification, etc. Separate areas of your page with lines, boxes, fill patterns... just like graphic artists do at the print shop. Check how it looks with various enlarged and reduced views of the page. When finished, print your document to either laser or dot matrix printers.

How good are the results? It depends on your printer: An Apple Laser Writer will deliver near photo-typeset quality. An NEC P6 24 pin dot matrix printer (at 360 dpi) will deliver results rivaling a laser. And, a standard 9 pin dot matrix printer will give results similar to MacWrite files printed on an Apple Imagewriter. So whatever your budget, you can be getting some excellent desktop publishing results with this software.

Publishing Partner runs on any Atari ST computer. Monochrome displays are best, but it works just fine on color systems as well.

We're going all out to support you and your Atari ST desktop publishing system. Check out the many different font and clip art disks we offer. Check out the remarkable value in our ST PictaScan. If you don't already own Publishing Partner, you're missing out on some really great stuff. Don't miss out anymore... order your ST Publishing Partner desktop publishing system today.

413-400	ST Publishing Partner 2 lb.
List $149.95	**Our Price $94.95**

Each Disk Contains 100+ Pictures!

DISK 1:
COMPUTER#1 :1040ST, 520ST, printer, mouse, icons, etc.
OFFICE#1 :Telephone, pencil, pad, ink, stamp, etc.
NEWSLETR#1 :Graphics for Atari club newsletter.
SEASONS#1 :Flowers, rain, clouds, snowman, birds, etc.
SCHOOL#1 :Books, crayon, chalkboard, milk, apple, etc.

DISK 2:
BUSINESS#1 :Dollar bill, coins, sold sign, price tag, etc.
SPORTS#1 :Football, bowling, baseball, golf, etc.
HOLIDAY#1 :Graphics for every major holiday.
RELIGIOUS#1 :Cross, menorah, church, Torah, crucifix, etc.
COMPUTER#2 :800XL, 130XE, 800, modem, disk drive,etc.

DISK 3:
TRAVEL#1 :Plane, train, ship, luggage, tickets, etc.
MEDICINE#1 :Stethoscope, needle, chart, nurse, etc.
AMERICA#1 :Statue of Liberty, flag, Liberty Bell, etc.
PERSONAL#1 :Shoes, tie, comb, brush, pipe, purse, etc.
MUSIC#1 :Piano, guitar, notes, staff, violin, etc.

DISK 4:
SCHOOL#2 :More school related graphics
ANIMALS#1 :Cat, dog, horse, cow, pig, chicken, etc
FOOD#1 :Knife, fork, spoon, hot dog, soft drink, etc.
BORDERS#1 :Assorted borders
OLD WEST#1 :Cowboys, guns, saddle, boots, wagon, etc.

DISK 5:
TOOLS#1 :Hammer, saw, screwdriver, wrench, tape, etc.
PIRATES#1 :Skull & crossbones, map, ship, treasure, etc.
PARTY#1 :Birthday, New Years, Halloween, etc.
HANDS#1 :Hands holding, shaking, praying, writing, etc.
TRANSPORT#1:Cars, trucks, gas pump, keys, bus, etc.

True 400+ dpi Professional Results At a Bargain Price

A REAL Scanner for Just $149.95

Gives Resolution And Image Manipulation of Commercial Scanners

Design
Excellence
Award

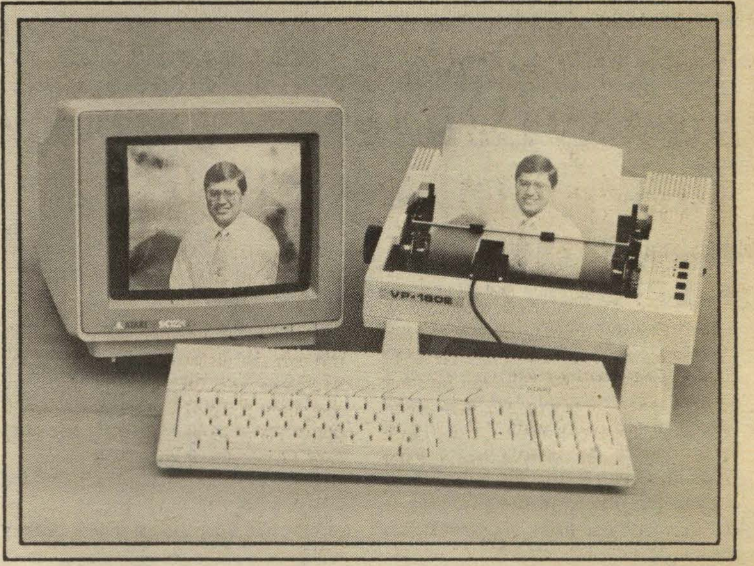
Orrin McGill

Kurt Casby

Paul Franson

by Eben Brown

What do you get when you combine hardware capable of 400+ dots per inch with professional, manipulative scanning software? You get a REAL scanner... *not just a toy.*



REAL Scanner Resolution

When mounted to a fast 160 character per second printer, ST PictaScan delivers resolution exceeding 412 dots per inch (dpi). Attached to an average 100 cpi printer it delivers 660 dpi! These figures are based on 8 inch head pass times of .5 and .8 seconds respectively. No screen limited video digitizer can even come close to this type of resolution... neither can anything but REAL scanners costing hundreds or thousands more.

REAL Scanner Software

Beyond the easy to use, window-menu based set up, ST PictaScan software gives you extraordinary power. Set it to scan only parts of a page... large or small. View your scans on color or monochrome systems. Load in raw scan data and manipulate it until it looks the way you want it to look. Grab a section and enlarge it. Distort it. Move it around to a different position on the screen. Is the picture too light or dark? ST PictaScan software adjusts your monochrome picture to 10 different levels of brightness. Color gives up to 8 gray scale representations. When you have it the size, position and shade that you want, save your picture in DEGAS format for easy use with Publishing Partner.

REAL Scanner File Format

ST PictaScan creates raw data files which allow you to take full advantage of it's high resolution. Store every dot of your scans in files 100s of kilobytes in size. You can always go back to this raw data file to modify or change to a new picture to save in DEGAS. The ability to store scans in such files will become especially valuable in laser printouts and desktop publishing. Such resolution results in near half-tone quality when printed with a laser!

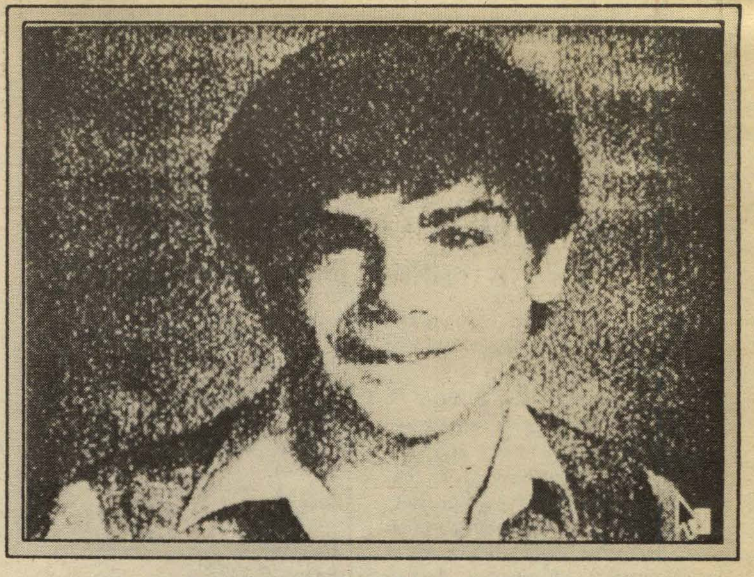
REAL Scanner Hardware

ST PictaScan places a true optical sensor (no cheap fiber optics) right up against the image to be scanned. It clamps firmly to your printhead to assure steady and proper allignment. You don't have to remove your tractor feed and you may not have to remove your printer ribbon... depends on your printer. ST PictaScan is no "bare-board" affair, either. It's completely housed and shielded (the FCC likes that)... a finished product. Mounting to various printers is easy. A generic mount is included. And, instructions tell you how to construct a mount if the generic one doesn't fit. Finally, ST PictaScan won't tie up your cartridge port. It attaches to your joystick port. This is more convenient, more attractive, and allows the full 6600 samples per second available through the joystick port.

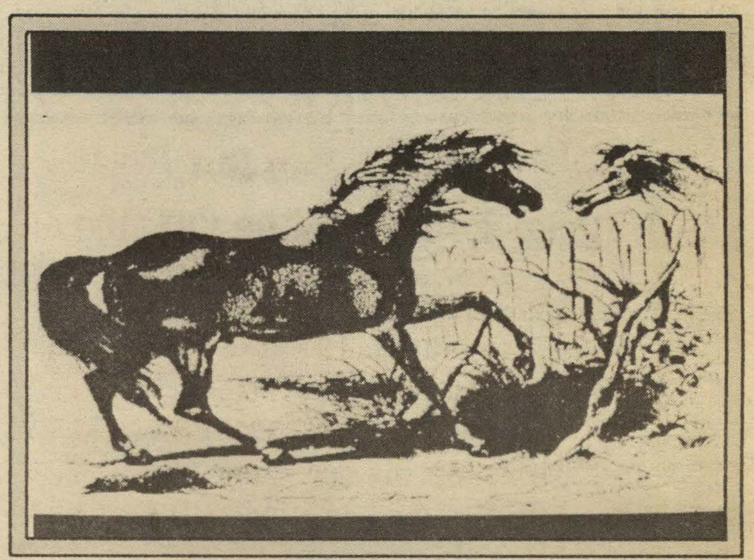
UN-REAL Price & Terms

You'd pay 100s and maybe thousands of dollars for a commercial scanner with these features. What do we ask? **$149.95**... complete with ST PictaScan, Software, a 23 page instruction manual, and printer mount! On top of that we guarantee you'll love it. Our 10-day hardware trial applies. So if you don't like it, you can send it back in new condition for a refund. You don't have to live without a REAL scanner anymore! Order ST PictaScan today!

220-420 ST PictaScan 3 lb.	$149.95



Captures Photographs



Captures Line Art

Partner Fonts & Art

What could you possibly add to Publishing Partner that it doesn't already have? More type fonts and assorted ready-made artwork!

The sample boxes depict all of the fonts and some examples of the many kinds of artwork available on disk. Use the different fonts to lend emphasis to your typeset copy. Attractive fonts are eye catching and make for easier reading. Put a professional touch into your layouts with professional ready-made artwork. It saves alot of time drawing art yourself with DEGAS. And if you're not artistically gifted, it'll look better than what you could do yourself anyway!

Check the examples and disk descriptions and place your order today!

Font Disks for Publishing Partner

413-401 ST Font Disk #1 1 lb.	$21.95
413-402 ST Font Disk #2 1 lb.	$21.95
413-403 ST Font Disk #3 1 lb.	$21.95
413-404 ST Font Disk #4 1 lb.	$21.95
413-405 ST Font Disk #5 1 lb.	$21.95
413-406 ST Font Disk #6 1 lb.	$21.95
413-407 Partner Font Disk #1 1 lb.	$21.95

(This Disk Also has Drivers for 9, 18, and 24 pin printers as well as HP Laser Jet +)

Art Disks for Publishing Partner

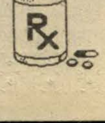
413-408 ST Art Disk #1 1 lb.	$21.95
413-409 ST Art Disk #2 1 lb.	$21.95
413-410 ST Art Disk #3 1 lb.	$21.95
413-411 ST Art Disk #4 1 lb.	$21.95
413-412 ST Art Disk #5 1 lb.	$21.95

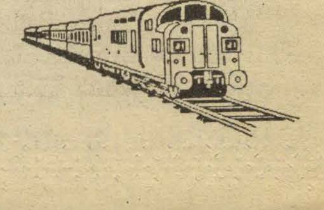
Font Disk Samples

#1 : Avant Garde • Courier • Calligraphy
#2 : Times • Helvetica Narrow • 16Bit
#3 : *Chancery* • Bookman • Chicago
#4 : Palatino • Schoolbook • Computer
#5 : Dingbats • Symbols • 8Bit
#6 : Complete set of 11 LaserWriter Plus screen fonts

Partner Fonts Disk #1

Devoll	SpokANE	Thames
ABCDEF	ABCDEF	ABCDEF
abcdefghijl	AbcdEfGh	abcdefgh
123456789C	12345678	12345678





Items Of Interest To Every Enthusiast

Why Compile These Lists Yourself?

Ready-Made Findex Mailing Lists

Available On Printed Labels Or Disk

Now you can rent or purchase ready-made Findex™ mailing lists! These lists were compiled for us by DP Directory mailing list company. You can rent them on zip sorted pressure sensitive labels for one-time use. Or, you can purchase them on Findex compatible disk for unlimited use. (These lists are not for re-sale).

If you need lists like these, don't go through the effort of finding all of the addresses and typing them into your computer. It's easier and cheaper to get them ready-made from Findex™! Make your selection and order today!

Item Number	List Title	Qty. Names	Labels Rental	On Findex™ Disk
FDX-001	Computer Magazine Editors	615	$40	$120
FDX-002	Comp/Hi-Tech News Columnists	897	$72	$216
FDX-003	IBM-PC User Groups	239	$20	$60
FDX-004	PC-Compatibles Stores	1,010	$80	$240
FDX-005	Bus/Financial Mag Editors	702	$56	$168
FDX-006	Bus/Financial News Columnists	1,200	$99	$297
FDX-007	Medical/Health News Columnists	1,007	$80	$240
FDX-008	Federal Senators & Congressman	535	$40	$120

Special Purchase Opportunity

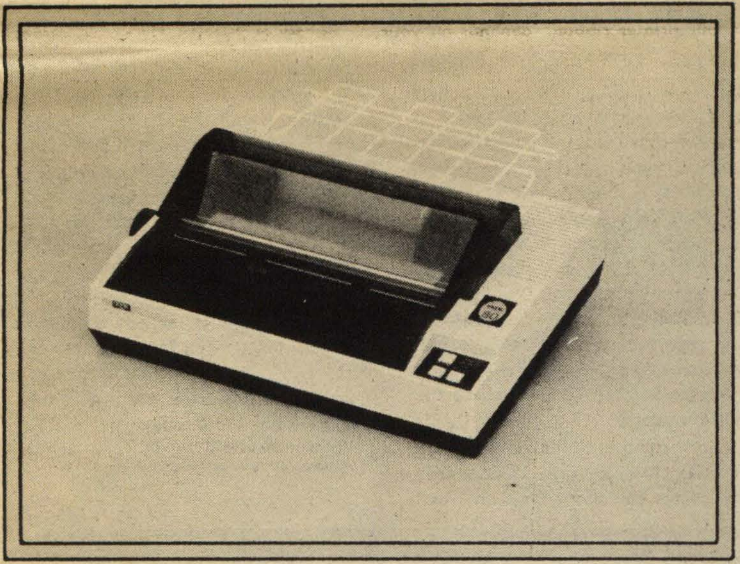
QTE80 Printer-$129.95

Supplies Limited... Order Now!

Every once in awhile a really good deal comes our way on printers. The latest is in a great little Epson compatible called the QTE80. It's got big ticket features at a little ticket price. Dense, 9 pin, square dot clarity makes characters easy to read. And, you get "extras" like enlarged, condensed, italic, super & subscript printing. Adjustable tractor and friction feed are included

We found a small overstock of these terrific printers and can make them available at this ridiculously low price. Order early as we're sure to run out fast.

QTE-080	QTE80 Printer 1 lb.	$129.95
07-5545	Extra QTE80 Ribbon	6.95



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Don't Pay More For Printer Ribbons

Number	Fits Printer	Price
07-1010	Coleco Adam Printer	12.95(nylon)
07-1505	Imagewriter/C.Itoh 8510 Prowriter I & II	6.95(nylon)
07-2250	Epson MX/FX/RX-70/80	4.95(nylon)
07-2885	IBM Proprinter	6.95(nylon)
07-4505	Okidata Microline 80/82 83/92/93,Gemini 10/10X 15/15X, Star Micronics Delta+, Teletype SR33	2.49(nylon)
07-4525	Okidta Mcrlne 182/192/193	7.95(nylon)
07-4700	Panasonic KXP 1090 1091/1092	9.95(nylon)
07-4970	Gorilla Banana, Radio Shack LP VII, Cmdre 1525 Seikosha GX/GP100/250	6.95(nylon)
07-5545	Mannesman Tally Spirit 80 Legend 808/880/1080/1380 Shinwa CM100/VP160 Cmdr 1526, QTE 80.	6.95(film)

Shopping For a PC-Compatible?

Souped-Up Tandy 1000SX Computers

Popular PC-Compatible In A Low Priced Super Charged EABCO Version

Review by Eben Brown

The Tandy 1000SX is probably the current most popular, best selling PC-Compatible in the U.S. It's well made, economically priced, and serviced and supported by Tandy Stores nationwide.

We've teamed up with our local Tandy dealer (Consumer Electronics) to sell fully authorized and warranteed Tandy computers!

Item Description	Tandy	EABCO
Tandy 1000SX (Single 5.25" Drive. 384K)	$849.95	$849.95
640K Upgrade	$99.95	No Charge
CGA/Composite Monitor Output	No Charge	No charge
640 X 200 Color RGB Monitor	$459.95	$325.95
640 X 200 Monochrome Monitor	$129.95	$109.95
Optional 2nd 5.25" Drive	$169.95	$129.95
Optional 2nd 3.5" Drive	$199.95	$149.95
20 Meg Hard Drive	$799.00	$299.95
1200 Baud Hayes Comp. Modem	$199.95	$99.95
PC Invisible Clock Setter Plus RS232	N/A	$69.95
Deskmate Software Included	Yes	Yes
MS-DOS/GWBASIC Included	Yes	Yes
Findex™ Shareware Disk Included	No	Yes
PC-Write™ Shareware Disk Included	No	Yes

Custom Tandy 1000-"May We Build One For You?"

So What's the Big Deal?

Why buy from EABCO when you can go right to your local Tandy dealer? Being part manufacturer, part distributor, and part mail order discounter, we have excellent sources for custom computer add-ons. You'll find that we can sell you a "souped up" Tandy for $100s less than regular Tandy prices. Check our chart, compare our pricing and select the features you want. Then, give us a call and we'll put one (or more) together for you!

We Sell Souped Up Computers At Regular Or Sale Tandy Prices With No Charge For Installing Our Lower Priced Add-Ons!

Tired Of Manually Setting Time And Date?

PC-Invisible Clock Setter Plus*

Auto Sets Time & Date On Power-Up and *Includes And RS232 Port

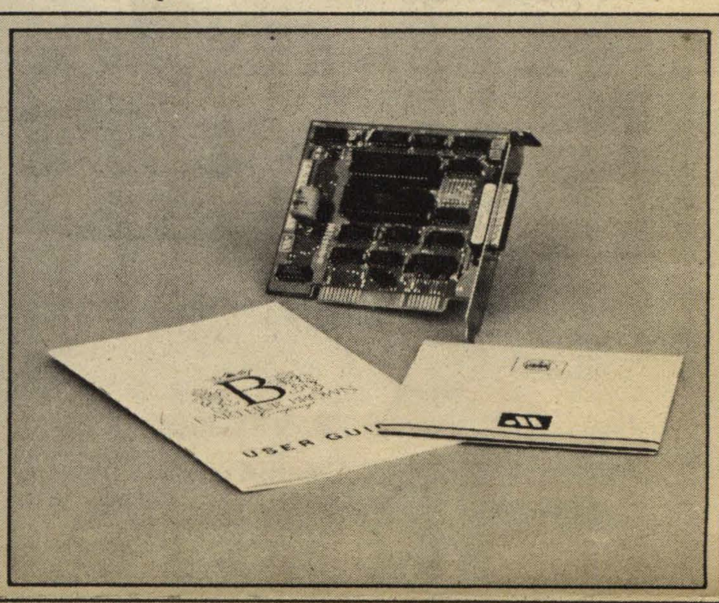
Don't you hate having to enter the time and date every time you turn on your PC-Compatible? Don't you think everybody does? Well, you don't have to put up with it anymore. Install our PC Invisible Clock Setter(PC-ICS) *Plus* and your computer will automatically set it's own time whenever you power up!

A self charging battery keeps the PC-ICS *Plus* set for the correct time and date. You copy a "look-up" program onto your boot disk and whenever you power up, the computer automatically retrieves the correct time and date from the PC-ICS *Plus*.

So what's the "Plus" stand for? Besides the Invisible Clock Setter, you get a fully functional RS232 port. Use it to plug in printers, modems, a mouse, etc.

You can see that the PC Invisible Clock Setter Plus is a great value. Order your's today.

412-401 PC Invisible Clk.Str.Plus 1 lb. $69.95



Now In Our 6th U.S. Printing

Dark Side... Tele-Secrets Revealed

The Hacker's Handbook-MUST Reading For All Computer Enthusiasts

THE HACKER'S HANDBOOK

"...quite interesting...I found it quite valuable... I liked it."
-John C. Dvorak, *InfoWorld*

Review by Eben Brown

Salami, Trapdoor, Trojan Horse... you've heard the terms. They're associated with the shadowy world of "Hackers". *The Hackers' Handbook* explains these and other aspects of the the secret world of telecomputing. You'll learn phone, programming, and hardware tricks for zeroing in on unlisted numbers, identifying and analyzing signals with no physical phone tap. You'll see how hackers figure out passwords, access codes, and protocols so they can communicate with unknown remote computers. You'll even find out about short wave radio hacking and packet switched communications.

Beyond all that, the Hacker's Handbook is everyone's guide to the how-tos of using modems with your computer. For once you'll understand the difference between asynchronous and synchronous signals... as well as a great many other mysterious terms. After reading The Hacker's Handbook, you should know 10-50 times more about modems and telecomputing than you know now.

With over 60,000 sold so far, THE HACKER'S HANDBOOK is definitely a best seller. Our current edition has 169 pages with both U.S. and international technical references. We have the book in stock for immediate delivery, so order today!

Dealer Inquiries Are Welcome!

343-762 Hacker's Handbook 1 lb. $12.95

"...contains information on many subjects hard to find elsewhere."
-Computer Shopper

"THE HACKER'S HANDBOOK...You too can be wanted by the FBI...an exposé..."
-AHOY! Magazine

The Complete Story From the Inside

About The Computer Underground...

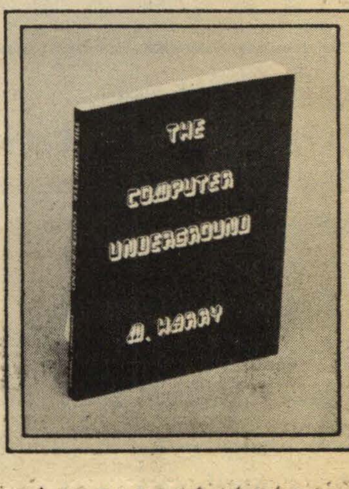
Breaks Through And Tells All About Computer Crime & Phone Phreaks

Computer crime...exposed! As the introduction to this book points out, computer crime is not going to go away. In fact, it is a product of our society and actually seems to be encouraged on a sort of, "Cult Hero" basis. As evidence, Wozniak and Jobs, the founders of Apple Computer Corp., are said to have started out selling "blue boxes"... devices for using long distance telephone service without paying for it.

This book covers the entire spectrum of Hacking, Crashing, Pirating, and Phreaking. With personal information in your own computer and piling up in the 38-50 national data banks, you and everyone else has a stake in knowing how computer criminals work and what you can do to protect yourself. Many currently "accepted" security measures are easily defeated by computer criminals and this book shows how. The combination of hacking and phone phreaking techniques enable criminals to invade your datafiles from any where in the world without regard to long distance charges.

This book is rather crudely printed by an underground publisher. It's 280 large format pages have quite alot of space... much of the printing is double spaced 12 pt. dot matrix. However, you buy a book for what it can teach you and this book can teach you alot.

345-500 Comp. Underground 2 lb. $16.95



Timex-Sinclair
-The Original Computer Enthusiast-

Now For Full Size Printers Too

TS1000 Masterscribe

Full WP Features W/Fonts, Styles, Etc

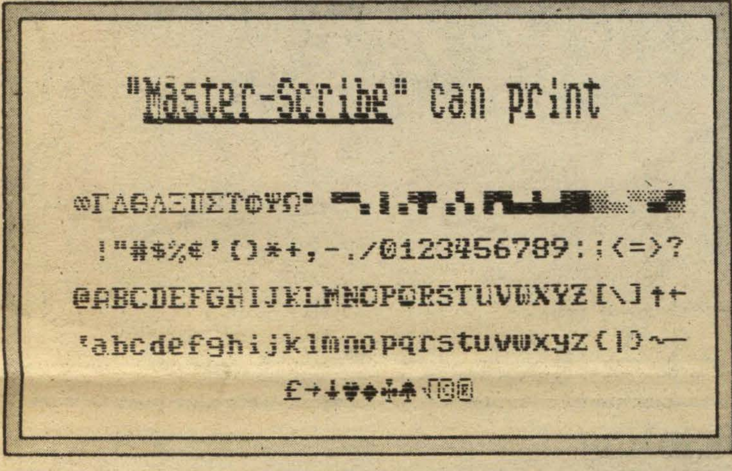
We sold so many copies of MasterScribe for the 2040 printer in our last catalog! Mike Hawks (the programmer) is of course thrilled. He's so thrilled that he's spent much of his profits on new equipment... including a full size printer system. Now, he's enhanced the original program to include 3 complete versions! Version 1.0 performs custom font word processing on the TS2040 Thermal Printer. Version 1.1 performs custom font word processing on full size dot matrix printers with Epson MX+ graphics. And, version 1.2 performs regular word processing/printing with any printer using the printer's built in character fonts and features. Both full size printer versions work only through the AERCO ZX81/1000 or AERCO 2068 Centronics Parallel interfaces.

TS1000 MasterScribe™ works on 16-64K TS1000, TS1500, and ZX81 computer systems. All totaled, it produces 138 printable characters in various enhanced formats (as described above). Word processing features include insertion, deletion, block editing (Delete, Copy, Move); full screen cursor control, etc. Format your printout for full, right, left, and center justification. You can use the USER WORD function to make form letters more convenient. WORD SEARCH allows you to search documents for words, sentences, or entire paragraphs. TS1000 MasterScribe™ even lets you include graphics in your documents!

TS1000 MasterScribe™ comes with an excellent manual that covers all aspects of using the program including a section on manipulating the actual program listing.

If you own a TS1000, ZX81, or TS1500, you owe it to yourself to buy TS1000 MasterScribe™! Order your's today!

112-600 TS1000 MasterScribe 1 lb. (Includes Versions 1.0, 1.1, 1.2)	14.95
500-400 AERCO 2068 CPI 1 lb.	$69.95
500-401 AERCO 1000 CPI 1 lb.	$99.95



"Master-Scribe" can print

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2068 Owners

Take The Lemke Graphic Challenge!

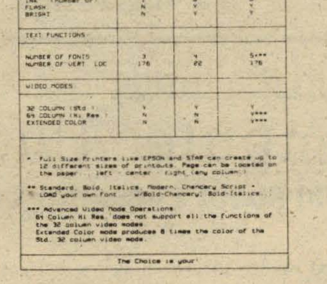
by Eben Brown

In our last catalog, we ran a comparison chart of features of various TS2068 graphics software. Stan Lemke's *Pixel II Sketch and Graphics Editor* won out on the chart and in sales by a wide margin. So, we're running the chart again and offering the same "Freebie" to sweeten the deal.

Now, we've been selling Stan's *Pixel II Sketch and Graphics Editor* (PS/GE v2.0) along side *Tech Draw Junior* and *Artworx* for some time now. All three are excellent programs. Many customers have called to ask which would be best for them.

I can't play favorites, but Stan's comparison chart should give you an idea of the various functions/features available and help you make a decision. Stan mentioned that his *Pixel II* doesn't have multiple brush shapes while *Artworx* and *Techdraw* do. Otherwise, the chart is accurate and complete to the best of my knowledge.

338-900 Pixel II Graphics 1 lb.	$19.95
410-900 ArtWorx 1 lb.	$19.95
340-901 Tech Draw Jr. 1 lb.	$19.95



TS 2068 Graphics Programs. How do they stack up?

FUNCTION	Tech Draw	Artworx	PS/GE v2.0
FREE-HAND DRAW	Y	Y	Y
FREE-HAND ERASE	Y	Y	Y
CURSOR SPEEDS	1	2	2
PAINT FUNCTION	Y	Y	Y
FILL PATTERNS	36	1	255
CONNECT-THE-POINTS	Y	Y	Y
DRAW LINE (delta X,Y pixels)	N	N	Y
DRAW ARC	N	Y	Y
CIRCLE	Y	Y	Y
DISPLAY-X,Y COORD	N	N	Y
WINDOW FUNCTIONS			
WINDOW SIZE	N/A	PART SCREEN	FULL SCREEN
INVERSE	N	N	Y
ENLARGE	N	Y	Y
SHRINK	N	Y	Y
ROTATE	N	Y	Y
COPY	N	Y	Y
ERASE	N	Y	Y
MIRROR IMAGE	N	Y	Y
DIGITIZE	N	N	Y
MERGE 2 SCREENS	N	N	Y
OOPS! /UN-DO	Y	Y	Y
INPUT/OUTPUT			
SAVE SCREEN	Y	Y	Y
LOAD SCREEN	Y	Y	Y
2040 PRINTER	Y	Y	Y
TASMAN CPI	Y	Y	Y*
AERCO CPI	Y	N	Y*
OLIGER CPI	Y	N	Y*
A&J CPI	Y	N	Y*
COLORS			
PAPER (number of)	1	8	8
INK (number of)	1	8	8
FLASH	N	Y	Y
BRIGHT	N	Y	Y
TEXT FUNCTIONS			
NUMBER OF FONTS	3	4	5+**
NUMBER OF VERT. LOC	176	22	176
VIDEO MODES			
32 COLUMN (Std.)	Y	Y	Y
64 COLUMN (Hi Res.)	N	N	Y***
EXTENDED COLOR	N	N	Y***

* Full Size Printers like EPSON and STAR can create up to 12 different sizes of printouts. Page can be located on the paper ... left - center - right (any column)

** Standard, Bold, Italics, Modern, Chancery Script + LOAD your own font ... w/Bold-Chancery, Bold-Italics ...

*** Advanced Video Mode Operations
64 Column Hi Res. does not support all the functions of the 32 column video modes
Extended Color mode produces 8 times the color of the Std. 32 column video mode.

The Choice is your!

2068 Mikrodrives	**$149.95**
Mikrodrive Printer Cable	**$16.95**
2068 Artificial Intelligence	**$19.95**
2068 Super Hot 'Z' (Reg 24.95)	**$14.95**
Casboard 2068 BBS	**$19.95**
TS2040 Thermal Printer	**$34.95**
2040 Paper (3 rolls)	**$8.95**
2068 MScript Word Proc.	**$24.95**
2068 OmniCalc SpreadSheet	**$24.95**

Desktop Publishing On the TS2068

Real Page Layout, Fonts, & Clip Art... A Truly Professional System

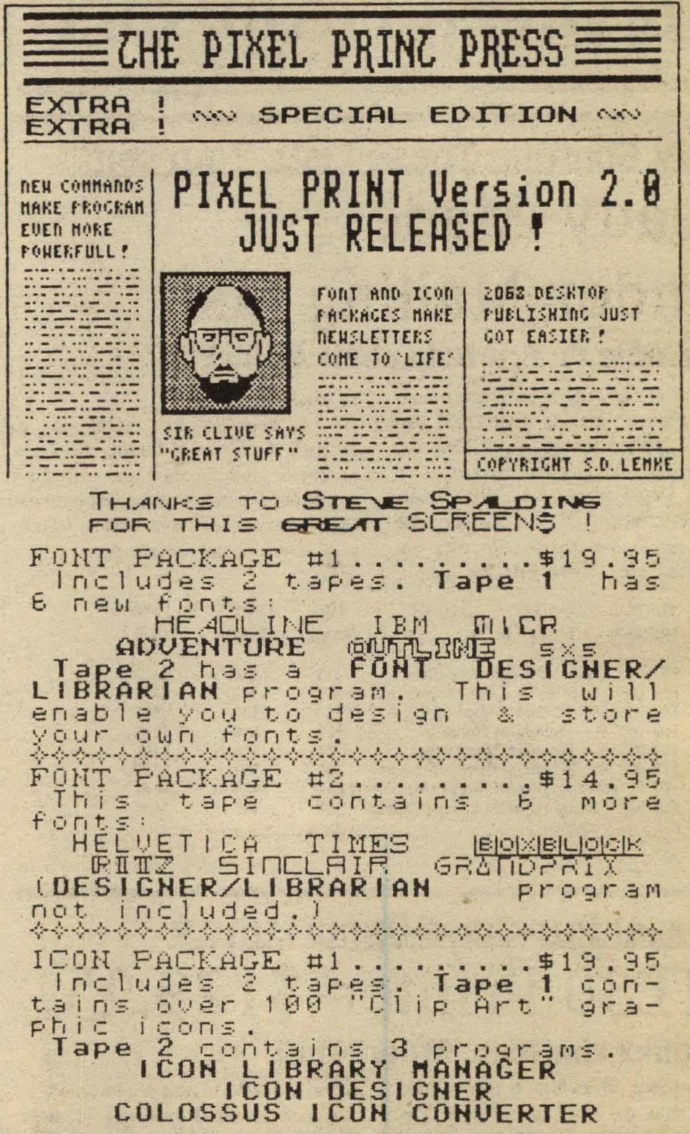
Stan Lemke and Bill Ferebee have done it! You raved about Pixel II graphics program. Now you have Pixel Print desktop publishing! Turn your 2068 into a real typesetting and page layout system. Incorporate graphics, icons and clip art into your documents. Jazz up your work with different type fonts!

Pixel Print comes with standard fonts including: Standard, bold, modern, italics, underlined, or Chancery. If those aren't enough, you can also order additional fonts to load into the program.

Pixel Print prints out to your 2040 printer or a variety of IBM/Star/Epson/Prowriter compatible printers. It's compatible with Tasman, AERCO, Oliger, or A & J/2068 Mikrodrive centronics interfaces. Order today and get into desktop publishing on your 2068!

338-901 2068 Pixel Print 1 lb.	$19.95
338-902 Font Pack #1 1 lb.	$19.95
338-903 Font Pack #2 1 lb.	$14.95 ~~$19.95~~
338-904 Icon Package #1 1 lb. (Contains 100 Clip Art Graphics Icons)	$19.95
338-905 Tasword II Convertor 1 lb.	$19.95

Design
Excellence
Award
Stan Lemke
Mike Hawks
Jim Howell



THE PIXEL PRINT PRESS

EXTRA ! EXTRA ! ~ SPECIAL EDITION ~

NEW COMMANDS MAKE PROGRAM EVEN MORE POWERFULL !

PIXEL PRINT Version 2.0 JUST RELEASED !

SIR CLIVE SAYS "GREAT STUFF"

FONT AND ICON PACKAGES MAKE NEWSLETTERS COME TO "LIFE"

2068 DESKTOP PUBLISHING JUST GOT EASIER !

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THANKS TO STEVE SPALDING FOR THIS GREAT SCREENS !

FONT PACKAGE #1.........$19.95
Includes 2 tapes. Tape 1 has 6 new fonts:
HEADLINE IBM MICR
ADVENTURE OUTLINE 5x5
Tape 2 has a FONT DESIGNER/LIBRARIAN program. This will enable you to design & store your own fonts.

FONT PACKAGE #2.........$14.95
This tape contains 6 more fonts:
HELVETICA TIMES BOXBLOCK
RITZ SINCLAIR GRANDPRIX
(DESIGNER/LIBRARIAN program not included.)

ICON PACKAGE #1.........$19.95
Includes 2 tapes. Tape 1 contains over 100 "Clip Art" graphic icons.
Tape 2 contains 3 programs.
ICON LIBRARY MANAGER
ICON DESIGNER
COLOSSUS ICON CONVERTER

Still Breaking Sales Records!

TiMachine 2068/Spec. Basic Compiler

Program In BASIC then Compile Into Fast, Compact Machine Code

by Eben Brown

We advertised TiMachine in our Fall catalog and the results are in: It's a smashing success! We sold out several times and customers wrote and called to sing it's praises. Why? Because, in scant seconds, the TiMachine 2068 BASIC compiler takes regular BASIC and compiles it into lightning fast machine code. Your compiled programs will run up to 200 times faster.

How do you do it? At the beginning of a BASIC program, you insert the command: REM ! OPEN#. You RUN the program to be sure it has no bugs. Then you enter *C and the BASIC begins compiling. It only takes a few seconds and then a display on the screen gives you loading and saving information.

Unlike other 2068 compilers, TiMachine handles floating decimal point operations like SIN, COS, and TAN. Compiled code can be located anywhere in RAM you want... even where TiMachine normally resides! Other compilers use a single block of routines ("runtimes") which compiled code draws from. TiMachine customizes it's runtimes to just what your program needs. They take up less memory and your code runs faster. TiMachine itself only takes up about 11K of RAM and it will compile 2068 BASIC programs up to 27K in length.

Some compilers have so many limitations it's hardly worth using them. TiMachines limitations seem only to be in commands you'd prefer to have in BASIC anyway. For example the I/O commands (LOAD, SAVE, VERIFY, etc.). It's prefered to keep these in BASIC so that users can easily modify them to fit various I/O devices (disks, mikrodrives, printers, etc.) When such commands are in a BASIC program, you just compile everything else to machine code and leave those commands in BASIC.

TiMachine 2068 is the one compiler you will be thrilled with. It really works and it doesn't take a genius to figure it out. Enter the world of 2068 machine code... order today!

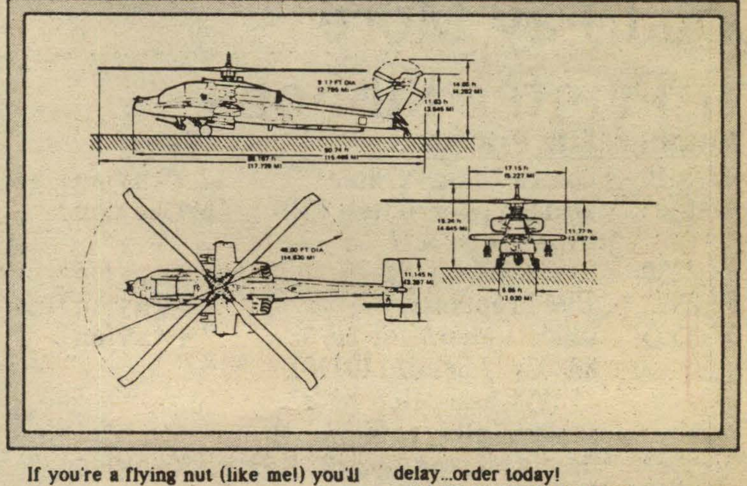
410-910 TiMachine 2068 1 lb. (Cassette Includes Spectrum Version)	$19.95

True Helicopter Flight Characteristics

Blue Thunder Flight Simulator

by Eben Brown

Believe it or not, there really is an attack helicopter like the "Blue Thunder" of movie fame. It's called the AH-64A Apache and it's got to be the most awesome fighting helicopter ever built. You can learn to fly the Apache with our new 2068 TOMAHAWK flight simulator. You can even use two joysticks (one for each hand) for realistic cyclic/collective helicopter control! Once your rotors are up to RPM, adjust rotor pitch to lift off. Then, put the nose down and your Apache starts gaining forward speed. The realistic engine sound and warning beepers are great. Even better is watching the ground pass beneath. As you lock onto a target, you can fire anti-tank missles, 30mm chain gun/cannon, or 70 mm rockets. 5 levels of expertise are allowed including ground fire and air to air combat.



If you're a flying nut (like me!) you'll just go wild over this simulator. Don't delay...order today!

343-700 2068 TOMAHAWK Sim. 1 lb.	$16.95

200 BASIC Programs (Reg. 19.95 Book)	**$9.95**
Tac Two Joystick (Reg. 14.95)	**$9.95**
2068 Timex Brand Software (Send SASE For List)	**3/$10**
1000 Timex Brand Software (Send SASE For List)	**5/$10**
Timex Powerful Projects Book (1000/1500/2068)	**$5.95**
TS2068 Technical Manual (Orig Timex Docs)	**$29.95**